

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059437.D
 Acq On : 5 Jul 2018 16:40
 Operator : VA/AP
 Sample : J3859-02RE
 Misc : 11.26g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 06 02:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

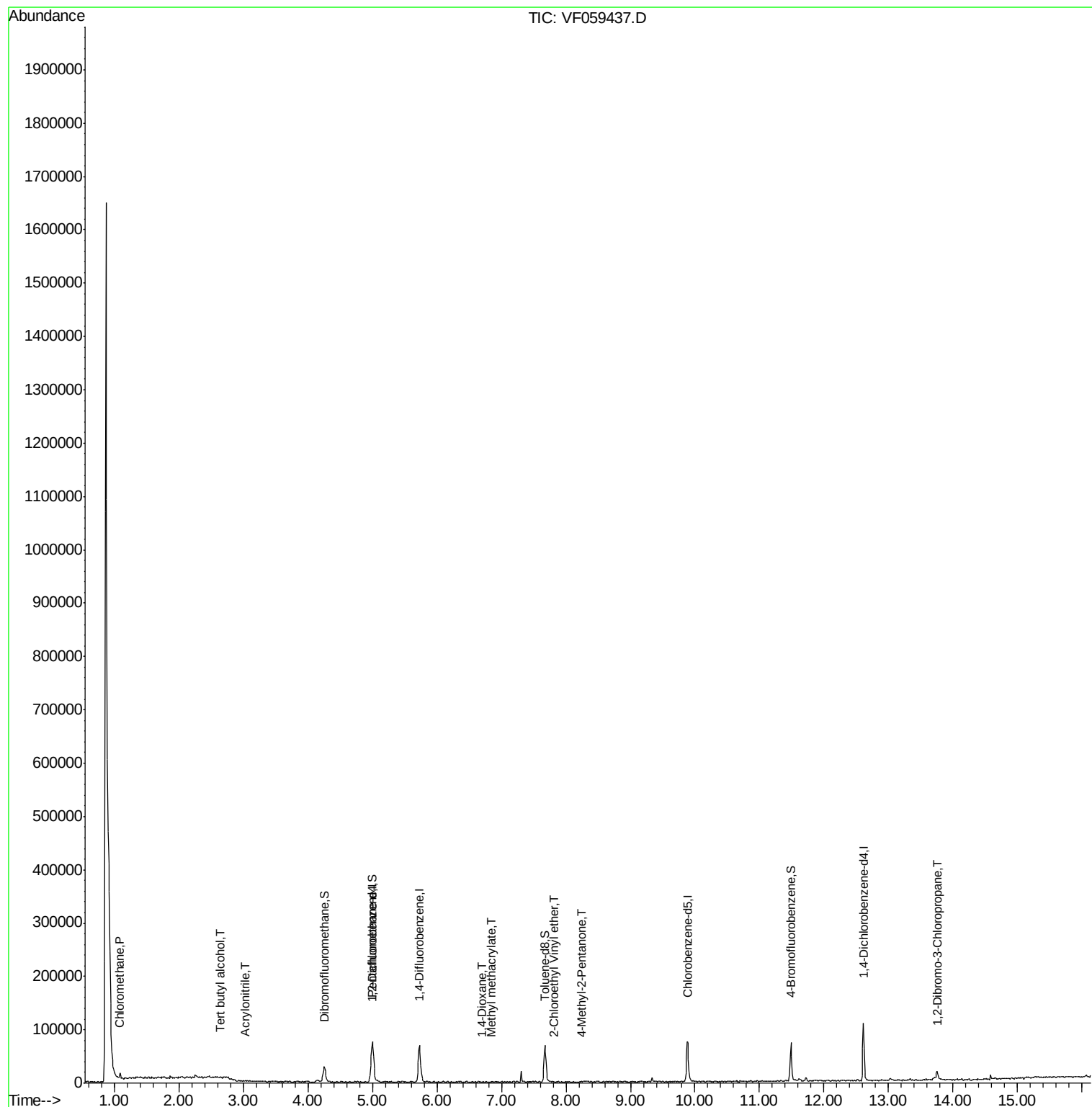
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	53684	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	67290	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	51852	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	26123	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	23234	33.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	67.00%	
35) Dibromofluoromethane	4.25	113	24371	49.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	7.67	98	56431	46.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.49	95	24050	35.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	70.04%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.10	50	607	1.842 ug/l	#	86
5) Bromomethane	1.26	94	204	Below Cal		90
11) Tert butyl alcohol	2.64	59	354	7.667 ug/l	#	1
13) Acrolein	1.95	56	169	Below Cal		87
15) Acrylonitrile	3.04	53	382	4.698 ug/l	#	9
16) Acetone	2.30	43	1033	Below Cal	#	65
20) Methylene Chloride	2.26	84	2071	Below Cal	#	77
25) 2-Butanone	4.45	43	203	Below Cal	#	59
28) Bromochloromethane	3.82	49	99	Below Cal	#	6
29) Tetrahydrofuran	4.22	42	83	Below Cal	#	19
37) Ethyl Acetate	4.27	43	137	Below Cal	#	26
48) Methyl methacrylate	6.84	41	483	1.472 ug/l	#	65
49) 1,4-Dioxane	6.70	88	78	2.090 ug/l	#	20
51) 4-Methyl-2-Pentanone	8.24	43	459	1.265 ug/l		93
58) 2-Chloroethyl Vinyl ether	7.80	63	80	2.274 ug/l		100
59) 2-Hexanone	9.60	43	302	Below Cal	#	30
87) 1,3-Dichlorobenzene	12.53	146	186	Below Cal	#	23
92) 1,2-Dibromo-3-Chloropropan	13.75	75	130	1.526 ug/l	#	1

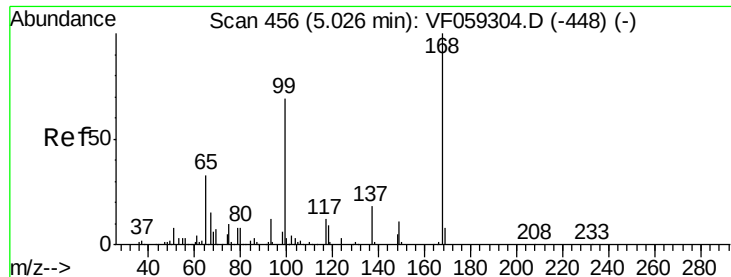
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070518\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :

MSVOA_F

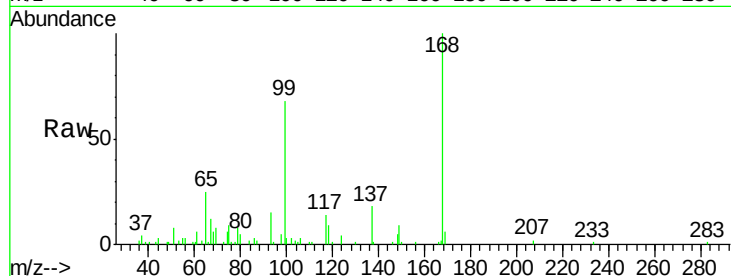
ClientSampleId :

Tot Ion:168 Resp: 53684

Ion Ratio Lower Upper

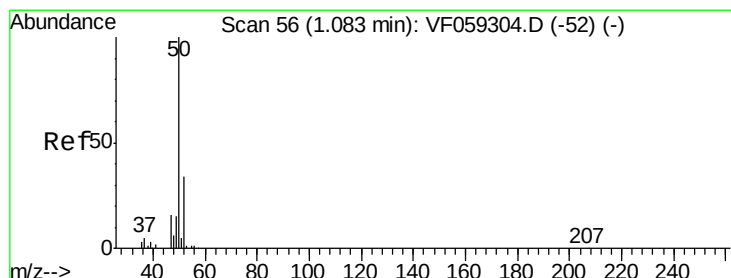
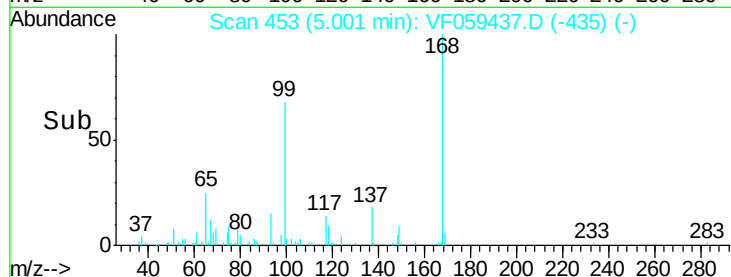
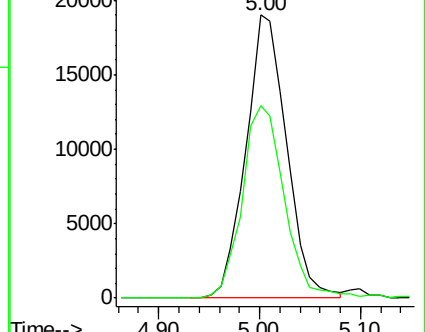
168 100

99 68.1 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.842 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059437.D

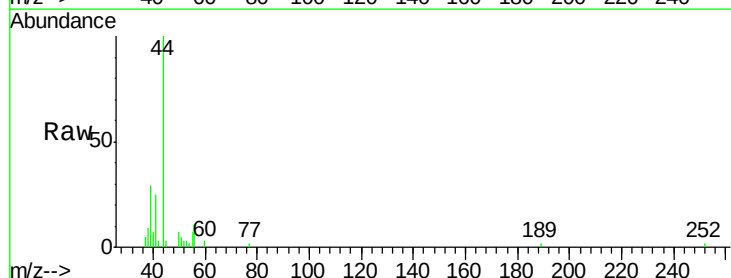
Acq: 5 Jul 2018 16:40

Tgt Ion: 50 Resp: 607

Ion Ratio Lower Upper

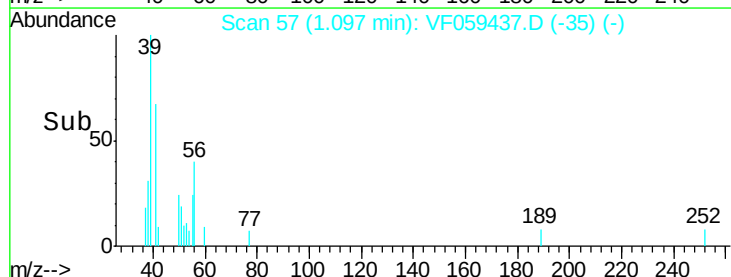
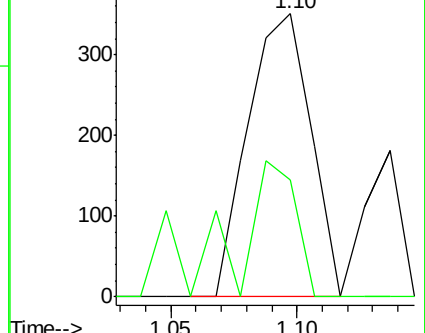
50 100

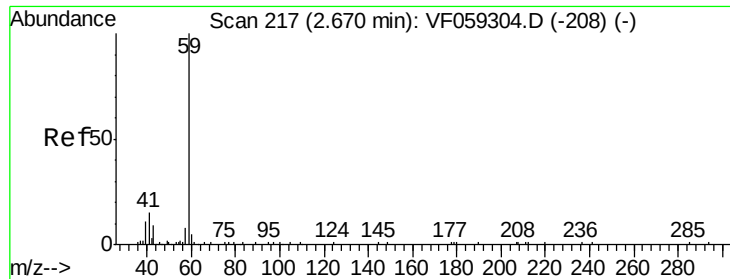
52 41.3 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



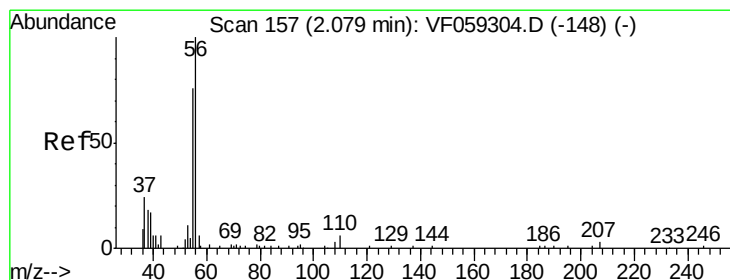
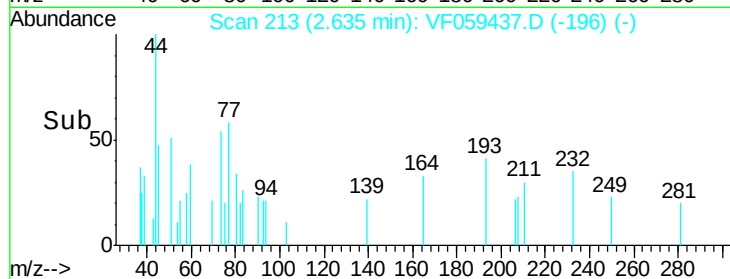
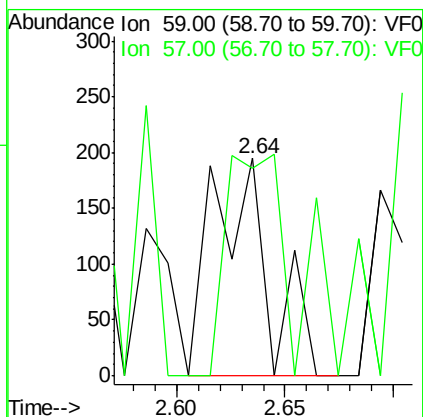
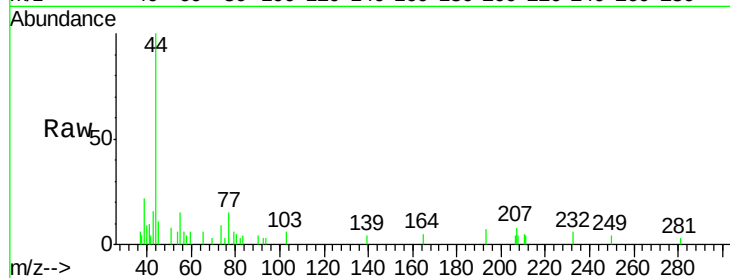


#11

Tert butyl alcohol
Concen: 7.667 ug/l
RT: 2.64 min Scan# 213
Delta R.T. -0.04 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

Instrument :
MSVOA_F
ClientSampled :

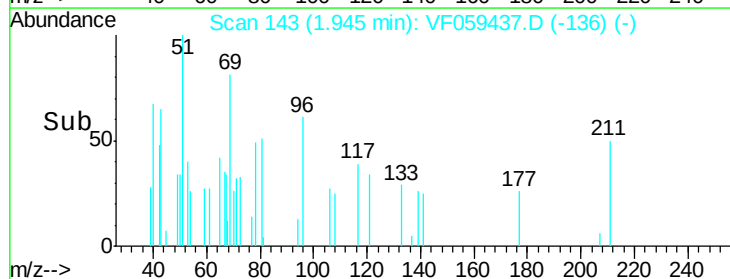
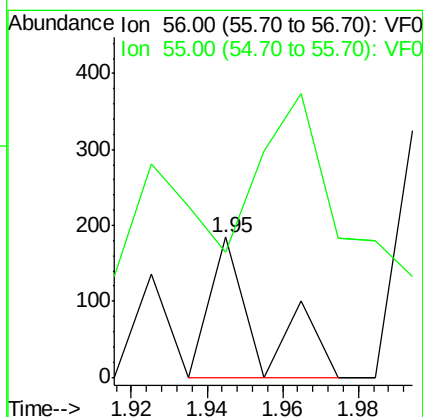
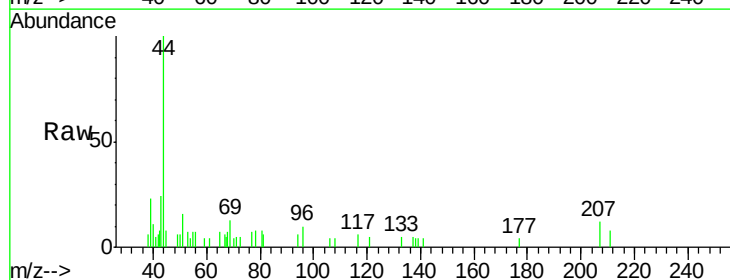
Tot Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 95.4 11.0 16.4#

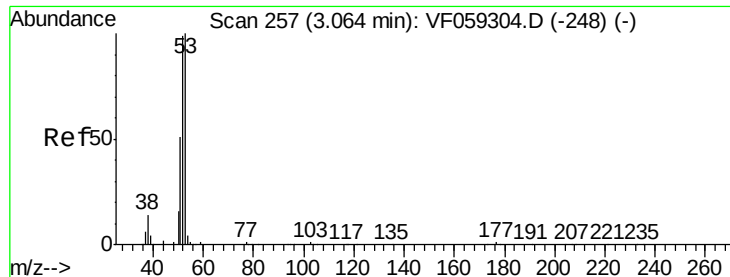


#13

Acrolein
Concen: Below Cal
RT: 1.95 min Scan# 143
Delta R.T. -0.13 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 89.7 62.4 93.6





#15

Acrylonitrile

Concen: 4.698 ug/l

RT: 3.04 min Scan# 254

Delta R.T. -0.03 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :
MSVOA_F
ClientSampled :

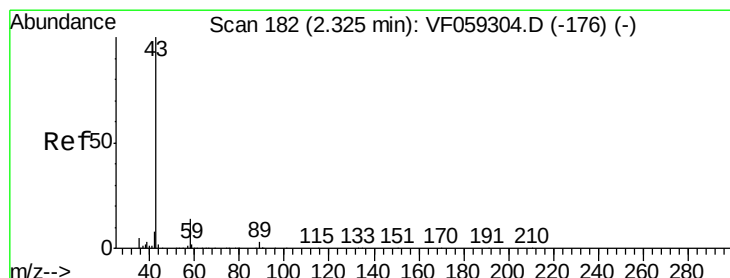
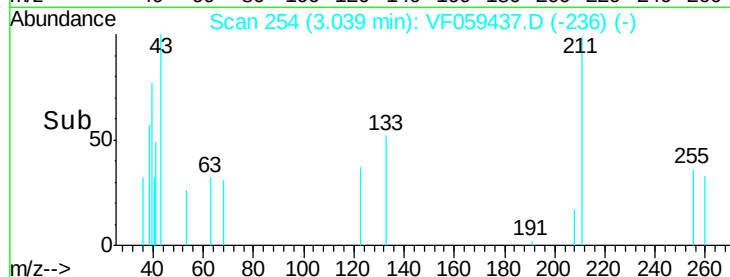
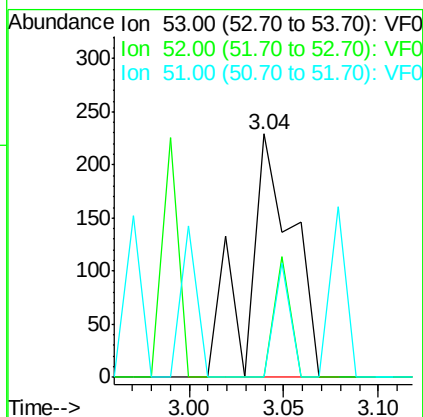
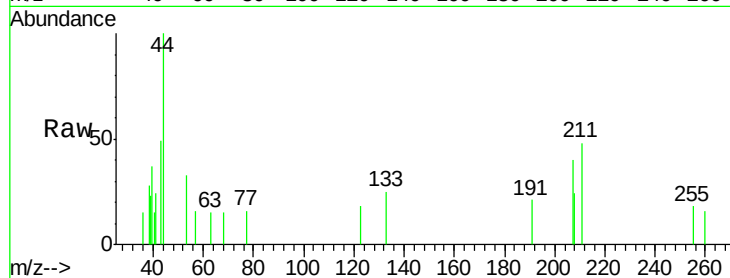
Tot Ion: 53 Resp: 382

Ion Ratio Lower Upper

53 100

52 0.0 79.2 118.8#

51 0.0 40.9 61.3#



#16

Acetone

Concen: Below Cal

RT: 2.30 min Scan# 179

Delta R.T. -0.03 min

Lab File: VF059437.D

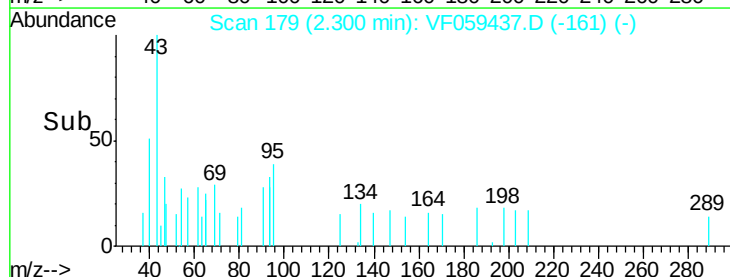
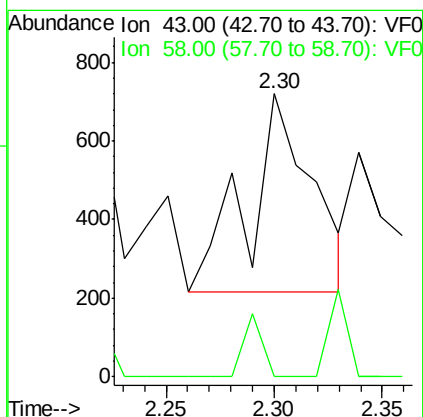
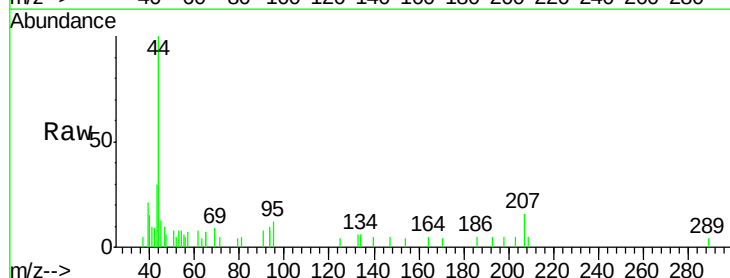
Acq: 5 Jul 2018 16:40

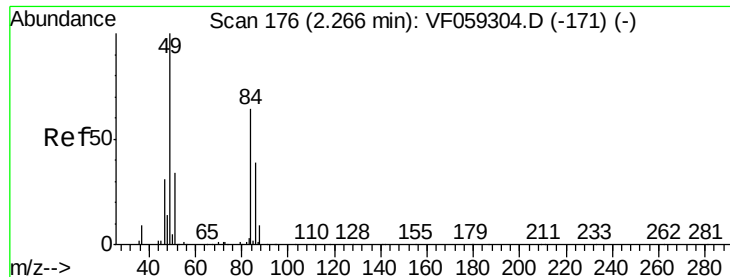
Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.0#

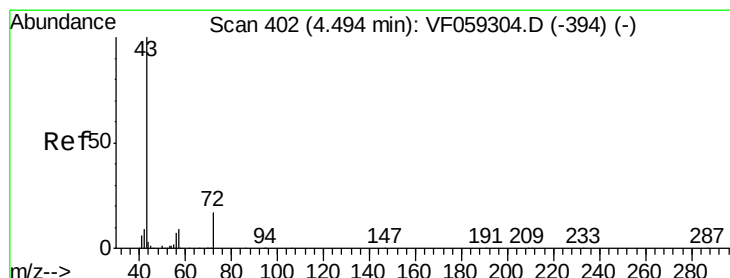
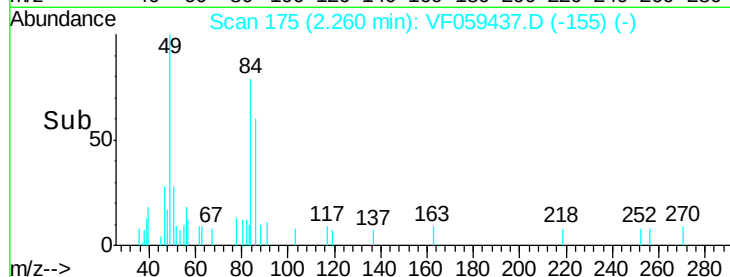
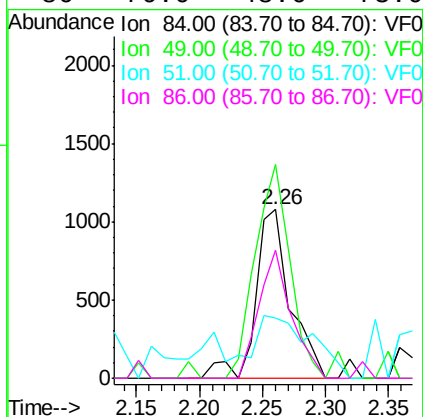
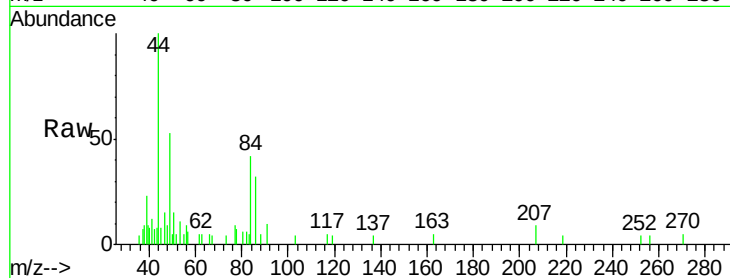




#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

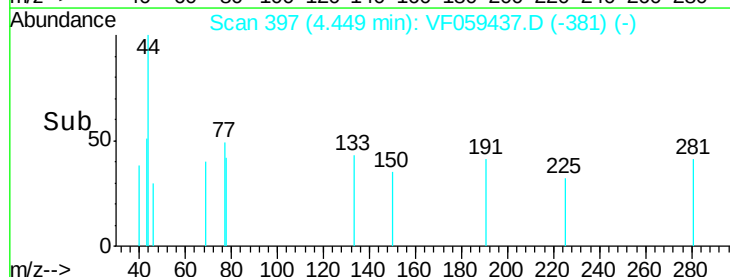
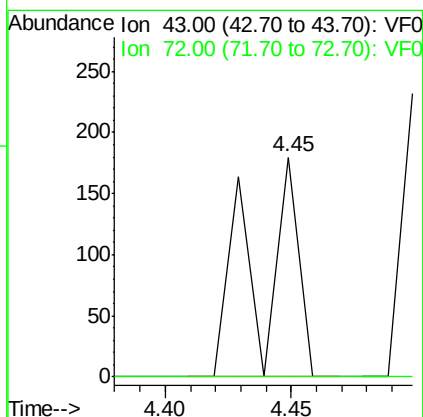
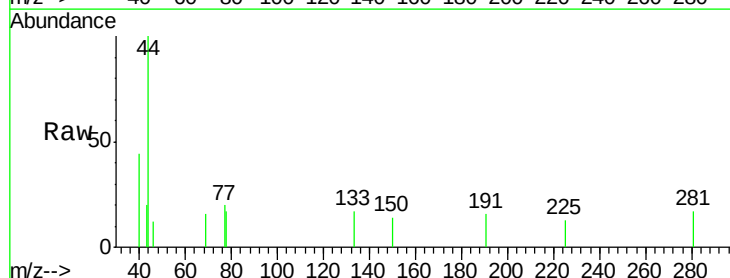
Instrument :
MSVOA_F
ClientSampled :

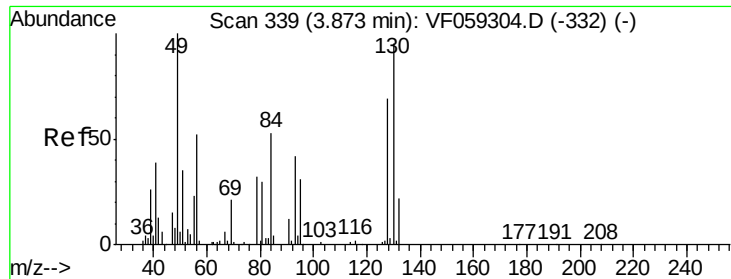
Tot Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	126.7	126.5	189.7
51	51	35.5	42.9	64.3#
86	86	76.0	48.6	73.0#



#25
2-Butanone
Concen: Below Cal
RT: 4.45 min Scan# 397
Delta R.T. -0.04 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
72	72	0.0	14.4	21.6#

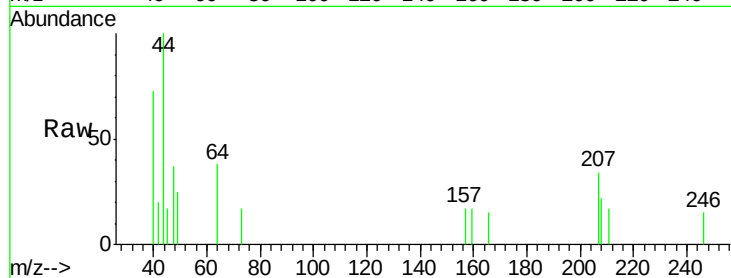




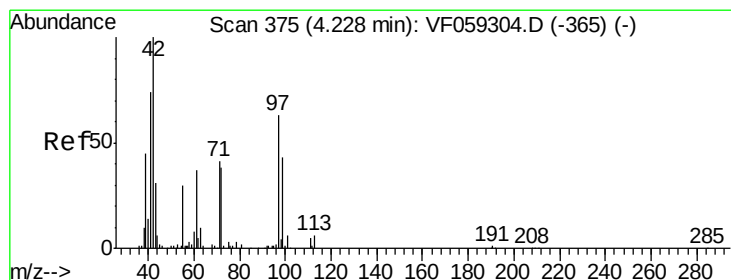
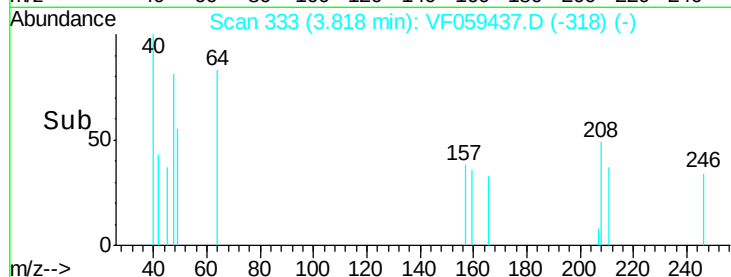
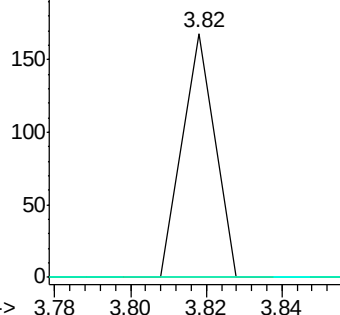
#28
Bromochloromethane
Concen: Below Cal
RT: 3.82 min Scan# 333
Delta R.T. -0.05 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 49 Resp: 99
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#

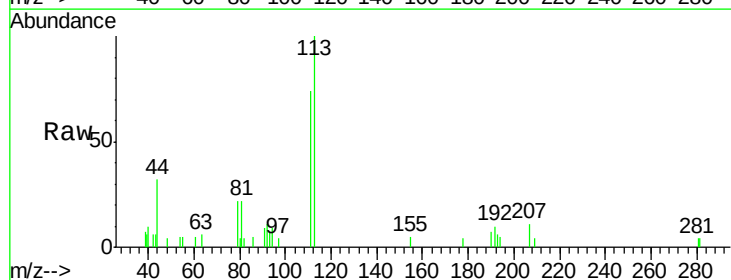


Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

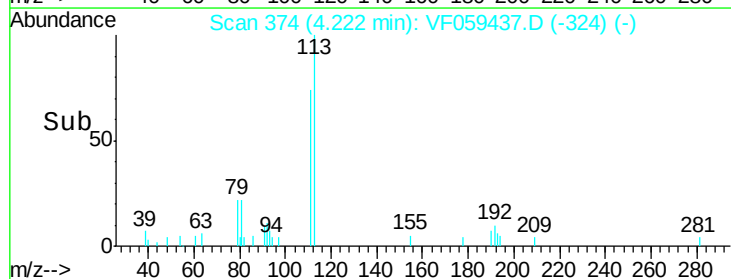
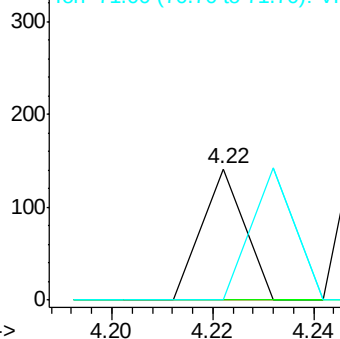


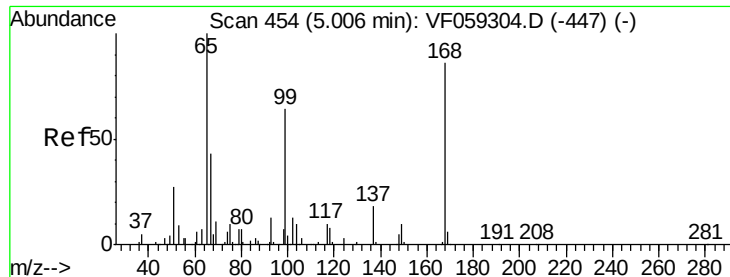
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

Tgt Ion: 42 Resp: 83
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 101.2 32.5 48.7#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

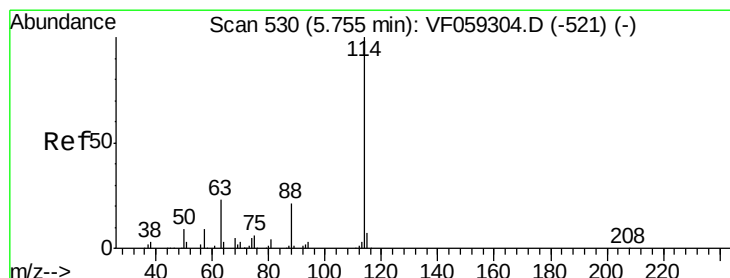
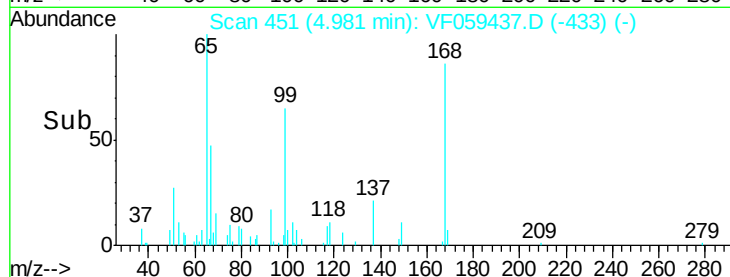
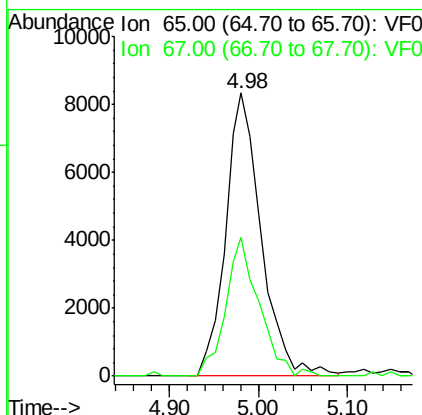
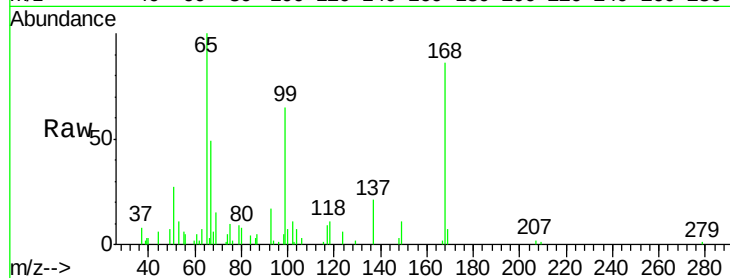




#33
 1,2-Dichloroethane-d4
 Concen: 33.498 ug/l
 RT: 4.98 min Scan# 451
 Delta R.T. -0.03 min
 Lab File: VF059437.D
 Acq: 5 Jul 2018 16:40

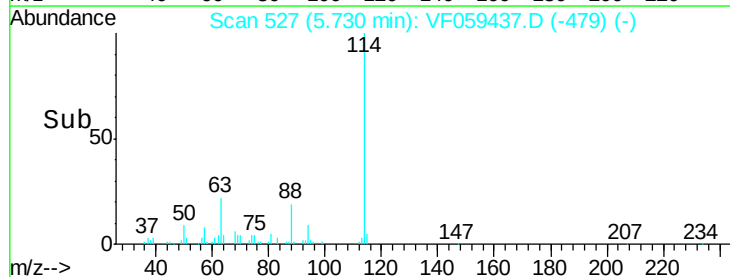
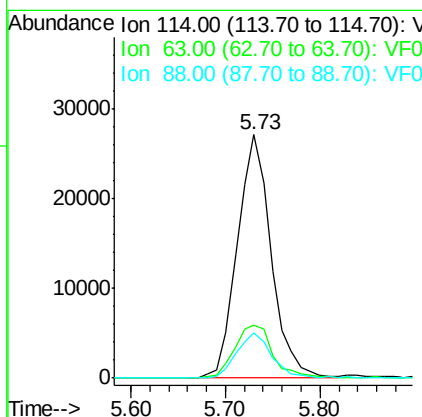
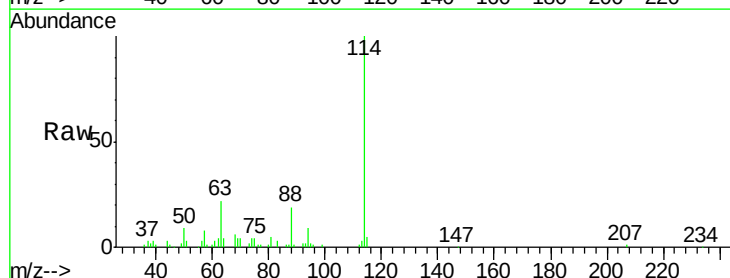
Instrument :
 MSVOA_F
 ClientSampled :

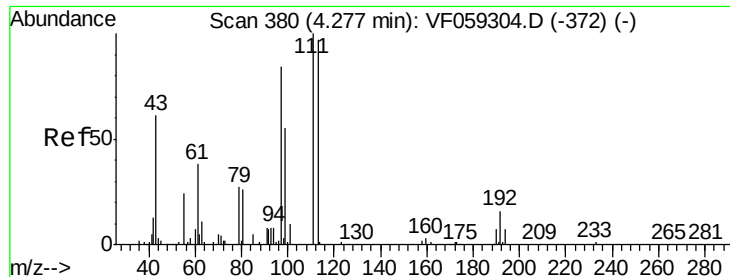
Tot Ion: 65 Resp: 23234
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 527
 Delta R.T. -0.03 min
 Lab File: VF059437.D
 Acq: 5 Jul 2018 16:40

Tgt Ion: 114 Resp: 67290
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.8
 88 18.6 0.0 41.2

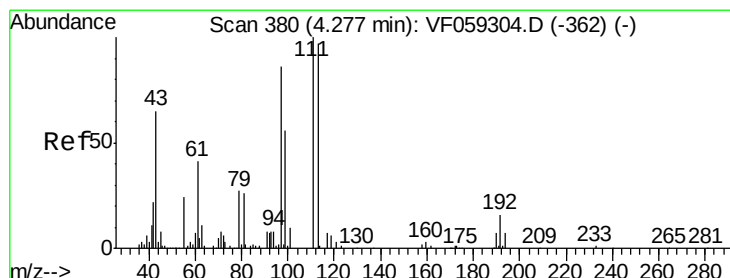
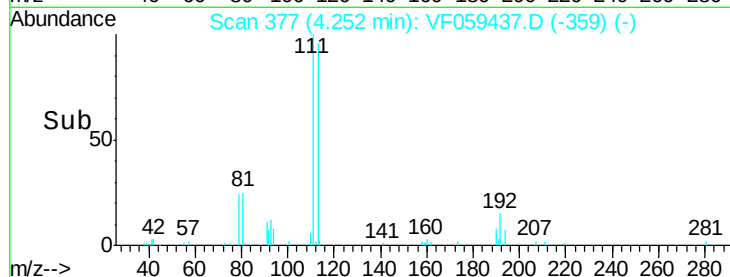
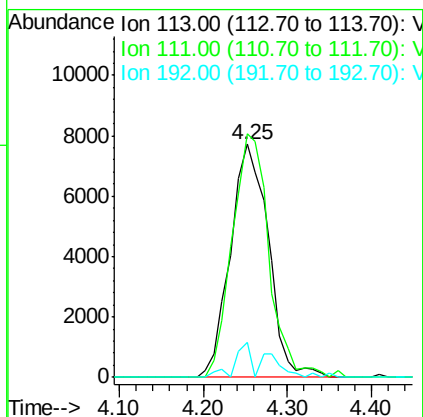
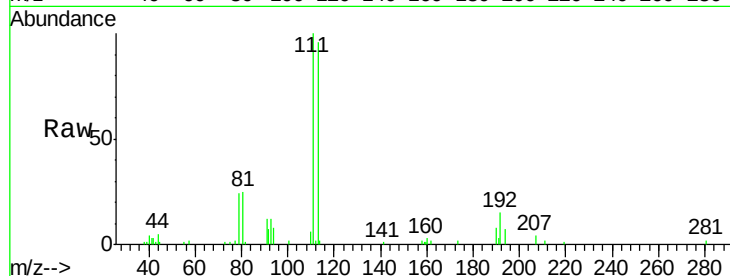




#35
Dibromofluoromethane
Concen: 49.568 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

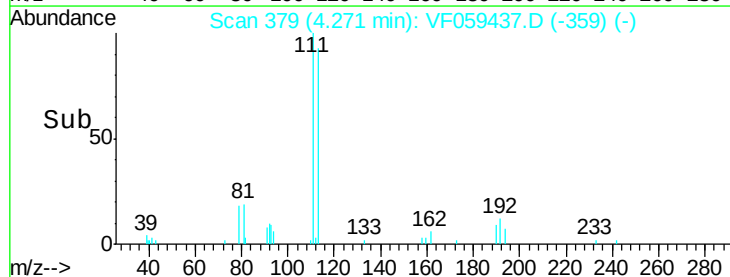
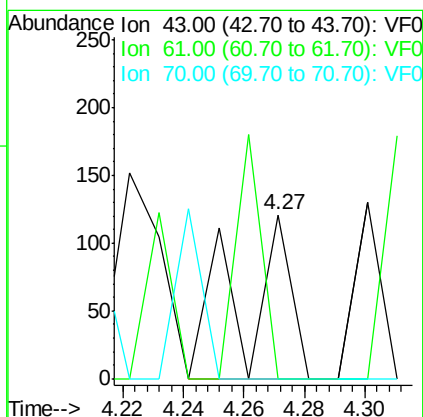
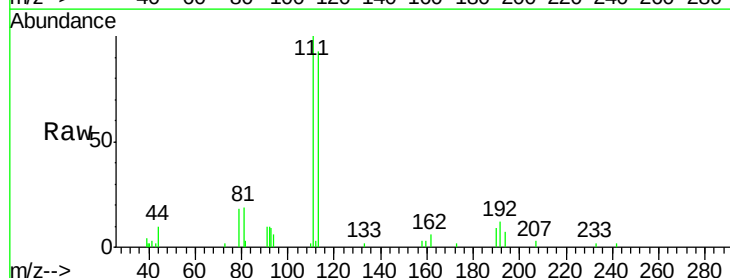
Instrument :
MSVOA_F
ClientSampleId :

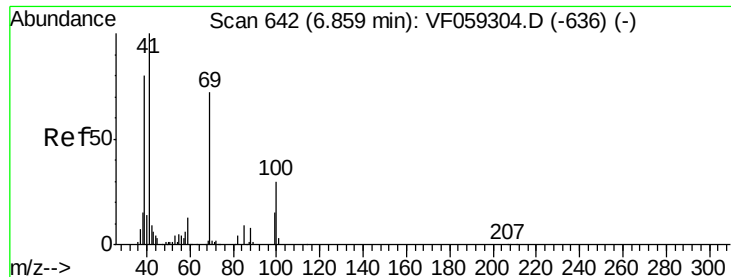
Tot Ion:113 Resp: 24371
Ion Ratio Lower Upper
113 100
111 104.6 82.1 123.1
192 15.2 13.0 19.6



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059437.D
Acq: 5 Jul 2018 16:40

Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
61 0.0 50.1 75.1#
70 0.0 6.2 9.4#





#48

Methyl methacrylate

Concen: 1.472 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

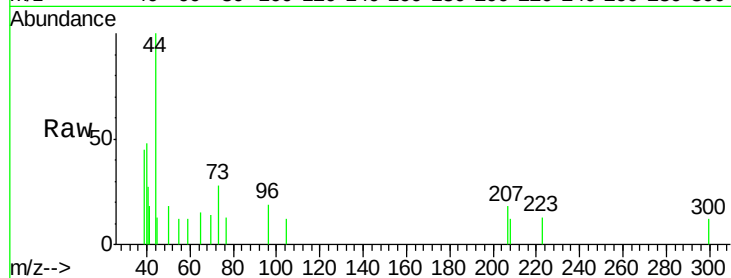
Tot Ion: 41 Resp: 483

Ion Ratio Lower Upper

41 100

69 30.1 57.3 85.9#

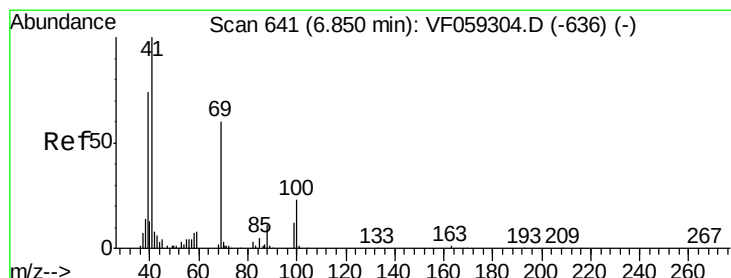
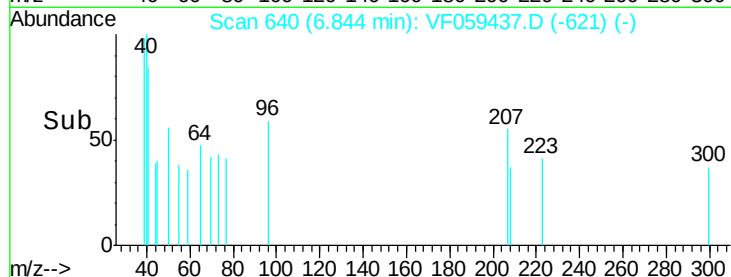
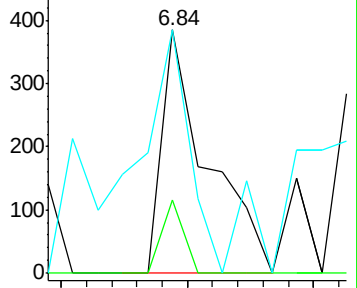
39 100.0 64.4 96.6#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#49

1,4-Dioxane

Concen: 2.090 ug/l

RT: 6.70 min Scan# 625

Delta R.T. -0.15 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

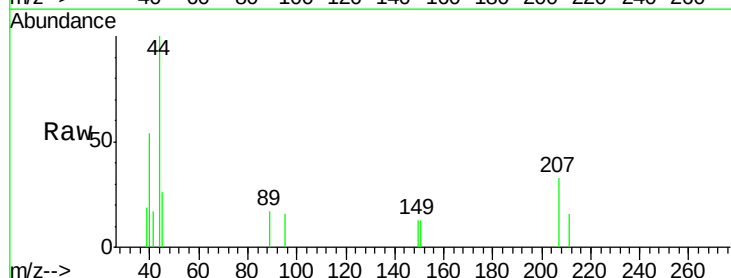
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

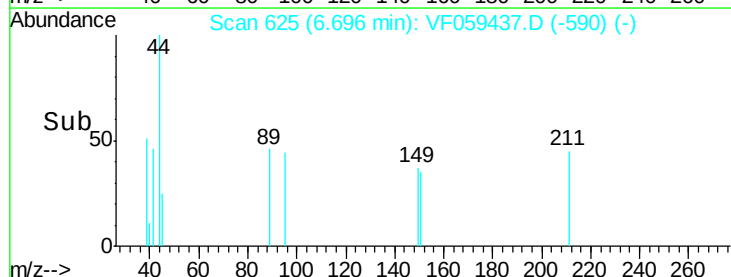
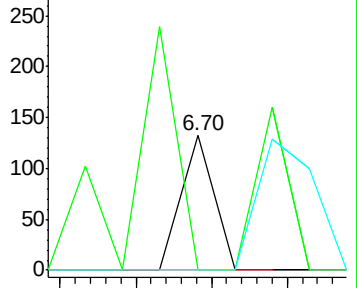
58 0.0 46.6 69.8#

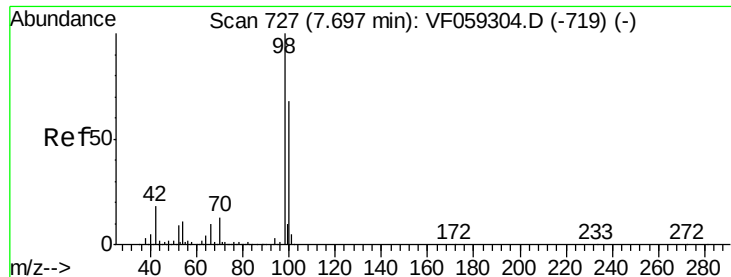


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 46.357 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.03 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :

MSVOA_F

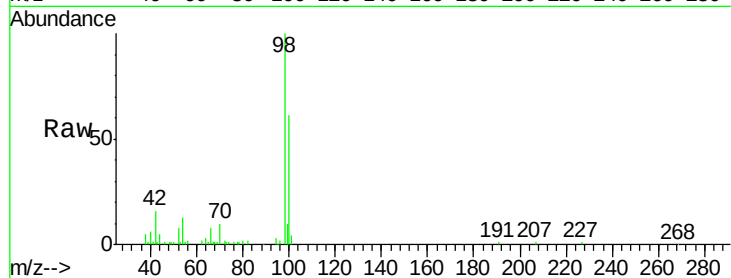
ClientSampled :

Tot Ion: 98 Resp: 56431

Ion Ratio Lower Upper

98 100

100 61.2 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.67

25000

20000

15000

10000

5000

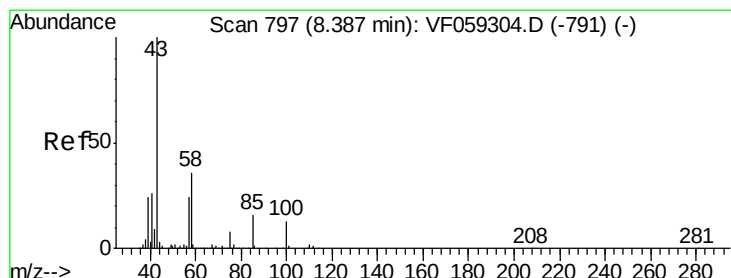
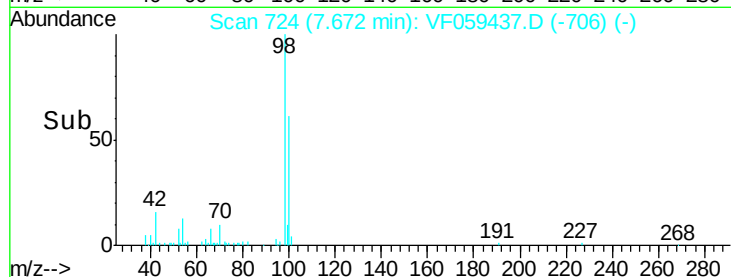
0

Time-->

7.60

7.70

7.80



#51

4-Methyl-2-Pentanone

Concen: 1.265 ug/l

RT: 8.24 min Scan# 782

Delta R.T. -0.14 min

Lab File: VF059437.D

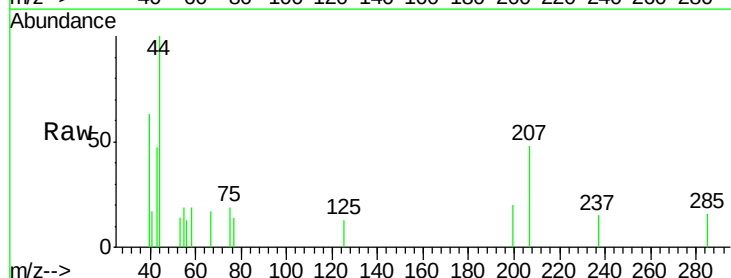
Acq: 5 Jul 2018 16:40

Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

58 39.6 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

400

300

200

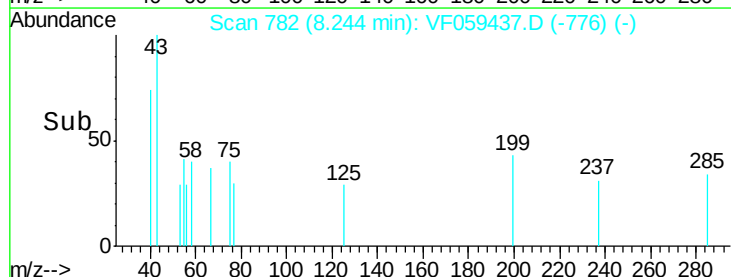
100

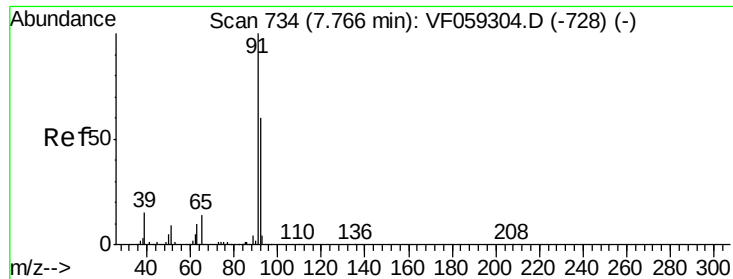
0

Time-->

8.20

8.25





#58

2-Chloroethyl Vinyl ether

Concen: 2.274 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :

MSVOA_F

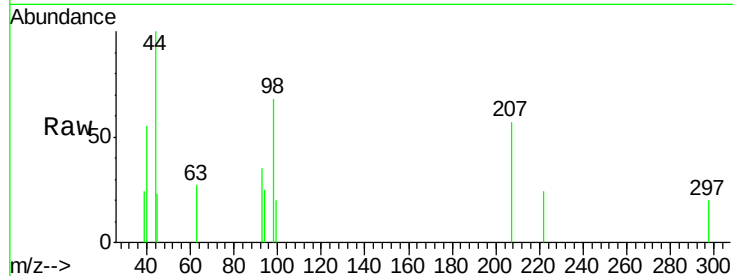
ClientSampled :

Tot Ion: 63 Resp: 80

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

7.80

150

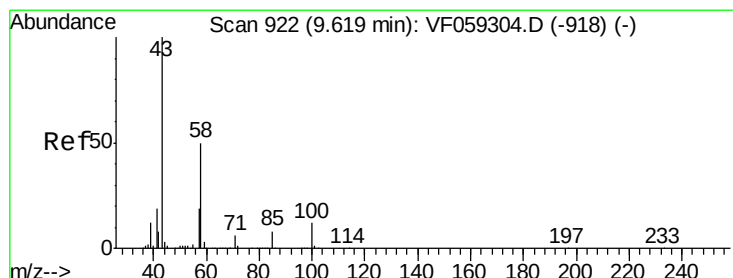
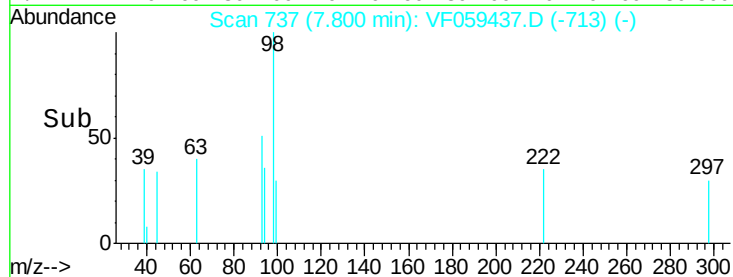
100

50

0

7.78 7.80 7.82

Time-->



#59

2-Hexanone

Concen: Below Cal

RT: 9.60 min Scan# 920

Delta R.T. -0.01 min

Lab File: VF059437.D

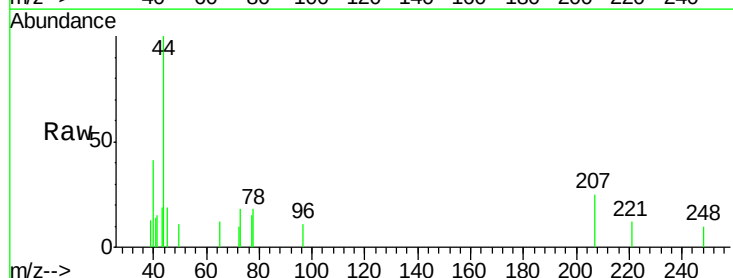
Acq: 5 Jul 2018 16:40

Tgt Ion: 43 Resp: 302

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

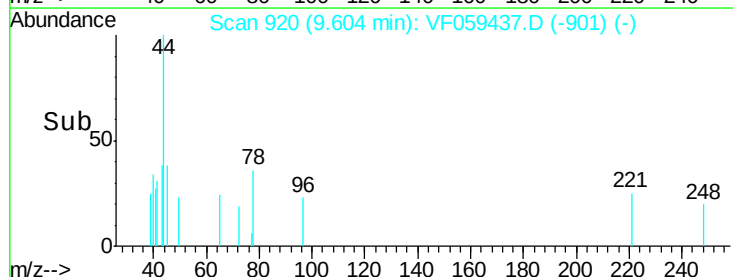
100

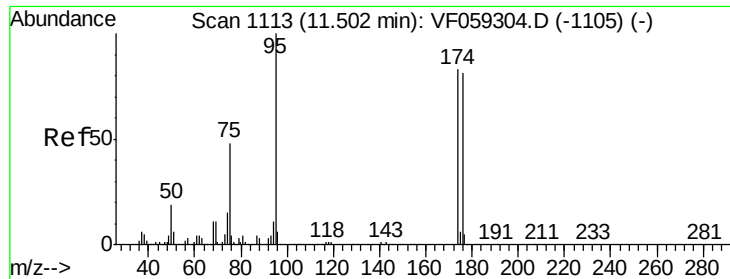
50

0

9.55 9.60 9.65

Time-->





#62

4-Bromofluorobenzene

Concen: 35.024 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

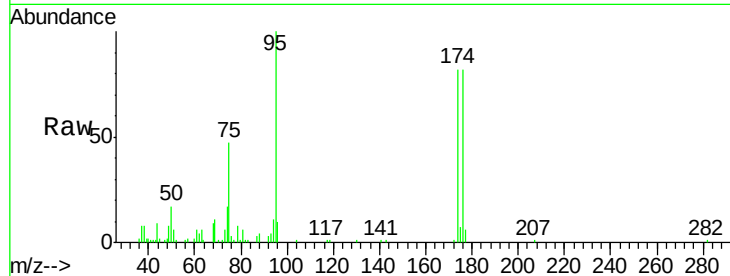
Tot Ion: 95 Resp: 24050

Ion Ratio Lower Upper

95 100

174 82.4 0.0 165.2

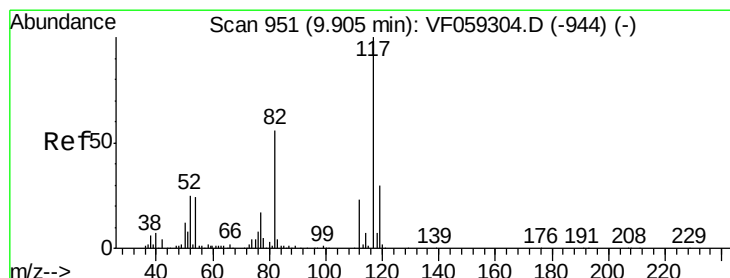
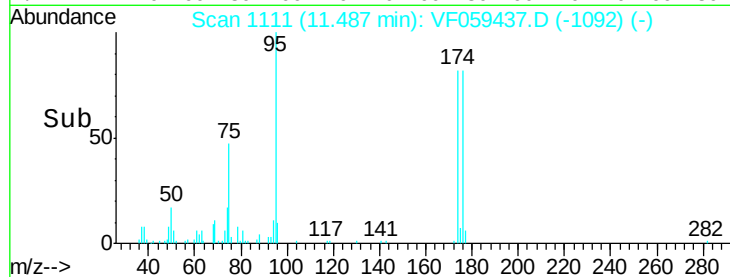
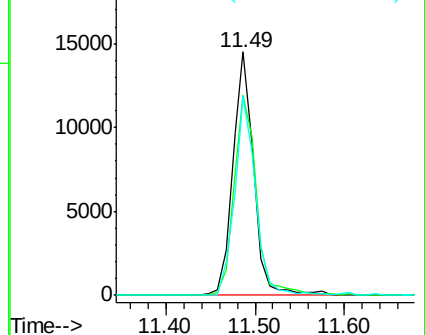
176 81.9 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 949

Delta R.T. -0.02 min

Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

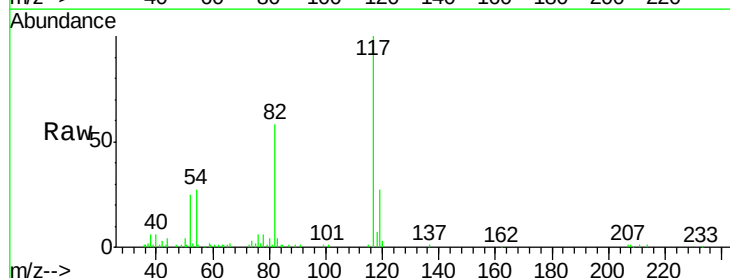
Tgt Ion: 117 Resp: 51852

Ion Ratio Lower Upper

117 100

82 57.5 44.6 66.8

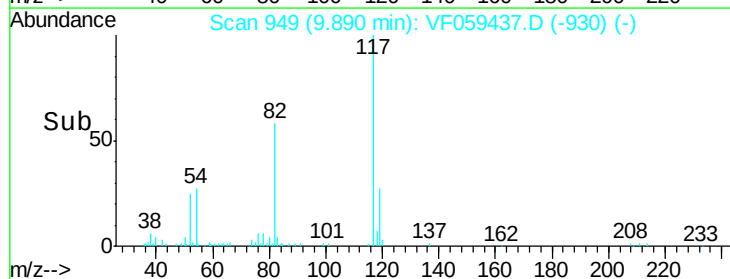
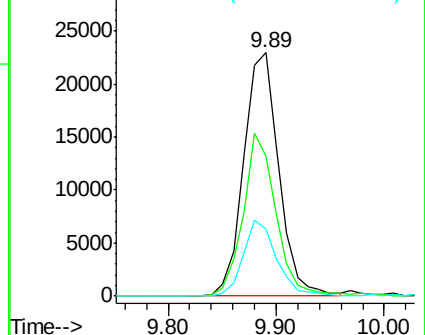
119 27.4 24.1 36.1

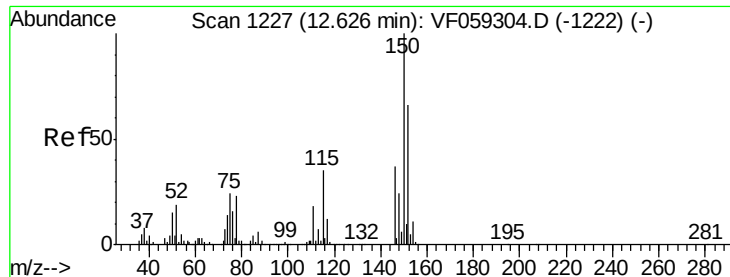


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

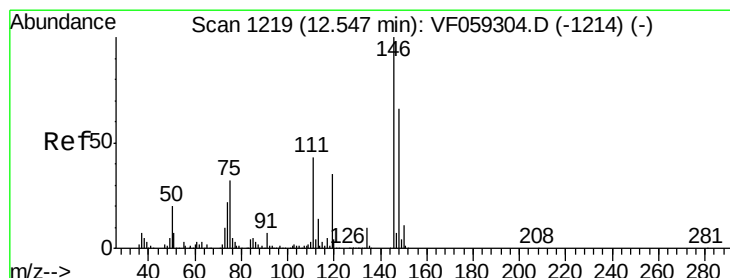
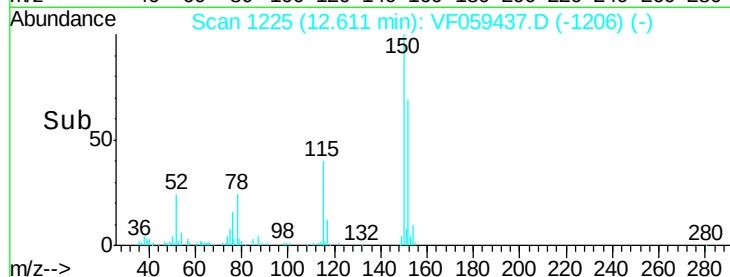
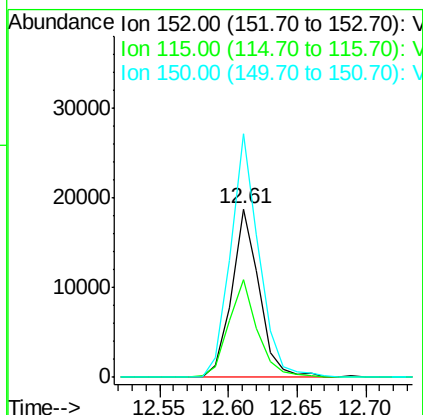
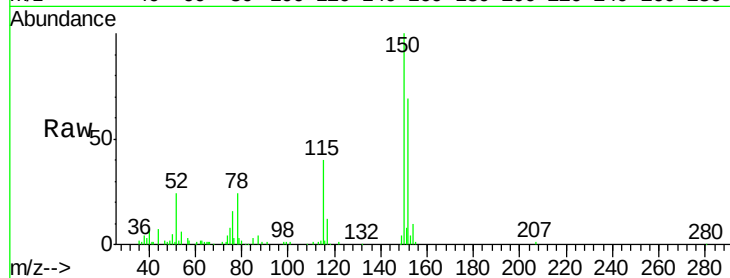




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.02 min
 Lab File: VF059437.D
 Acq: 5 Jul 2018 16:40

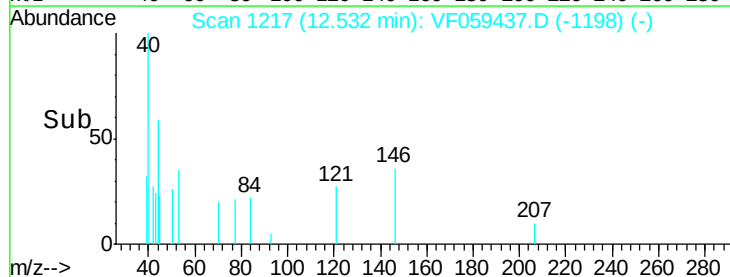
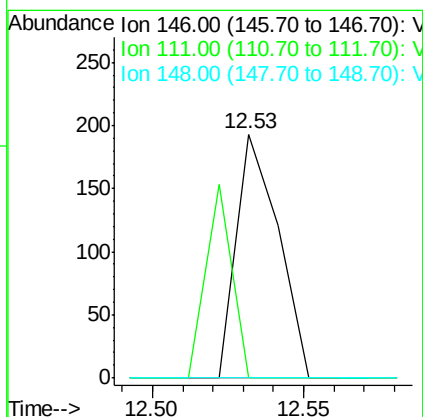
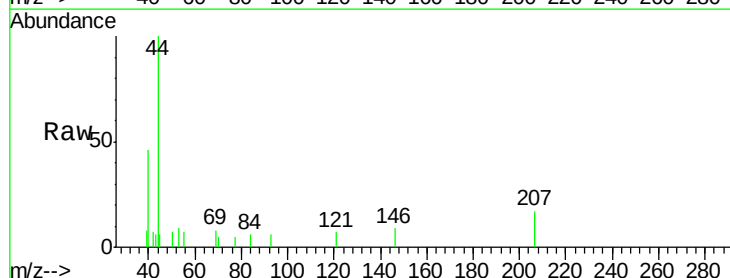
Instrument :
 MSVOA_F
 ClientSampleId :

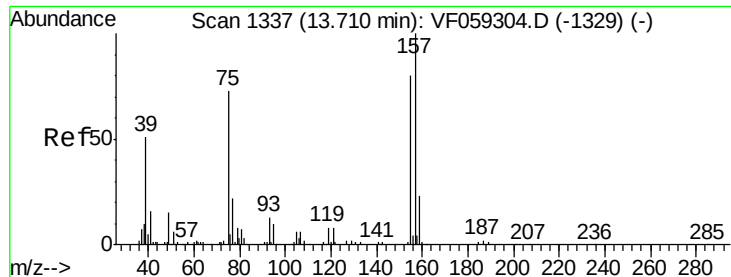
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	27.1	81.3
150	144.7	0.0	305.2



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF059437.D
 Acq: 5 Jul 2018 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.2#
148	0.0	32.8	98.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.526 ug/l

RT: 13.75 min Scan# 1341

Delta R.T. 0.04 min

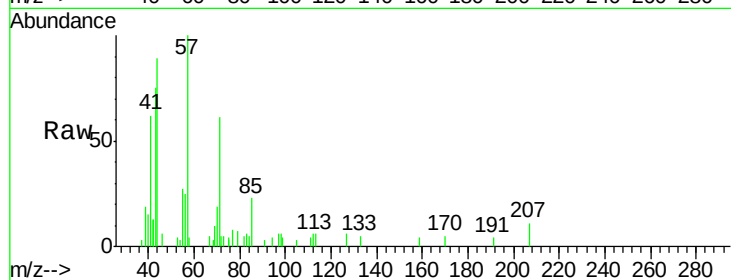
Lab File: VF059437.D

Acq: 5 Jul 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :



Tot Ion:	75	Resp:	130
Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.6	163.8#
157	0.0	68.7	205.9#

