

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059428.D
 Acq On : 5 Jul 2018 12:22
 Operator : VA/AP
 Sample : VF0705SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 06 02:03:26 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

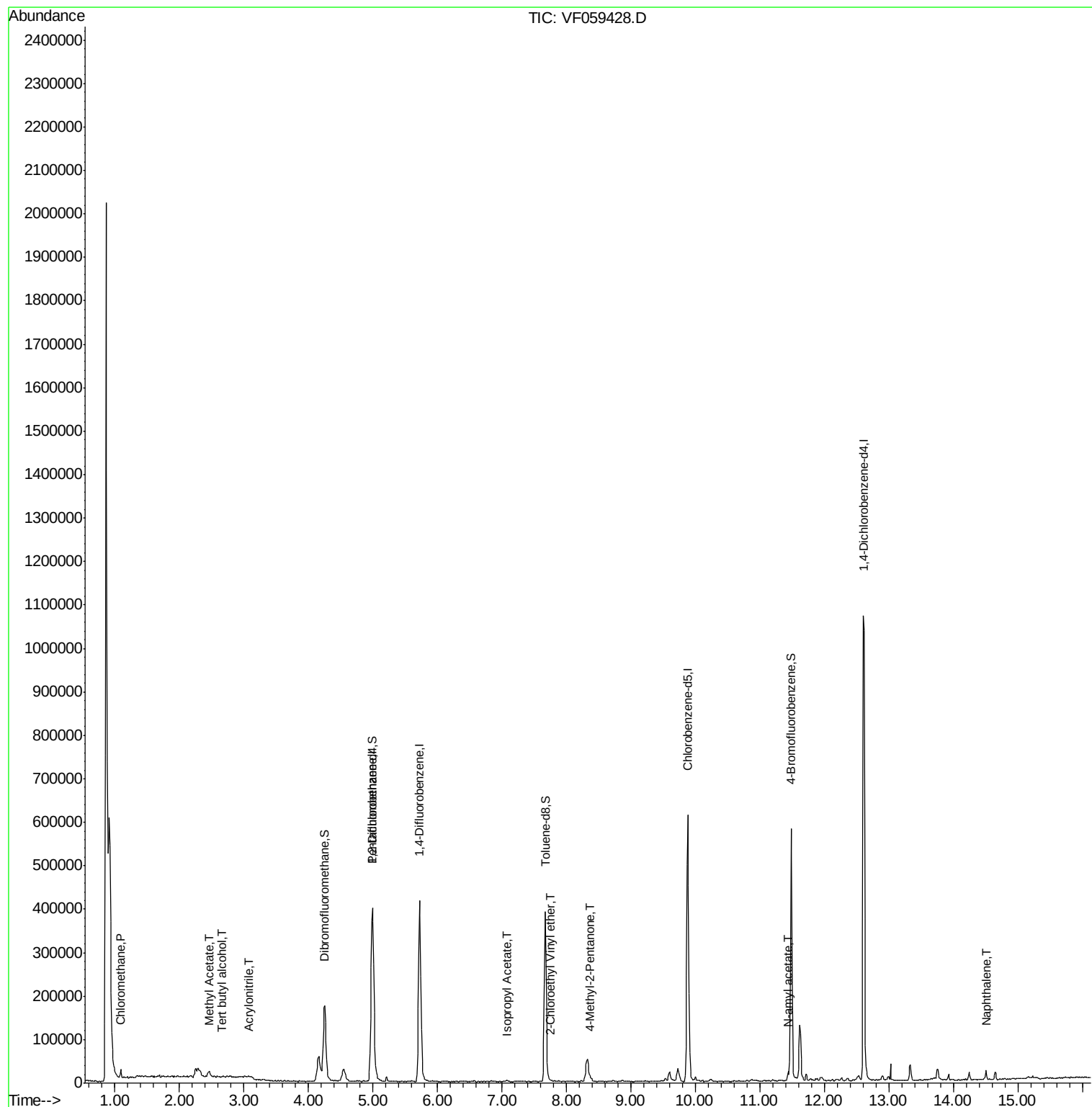
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	277022	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.72	114	423176	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	413508	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	287112	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	176250	49.24	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.48%	
35) Dibromofluoromethane	4.25	113	151250	48.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.84%	
50) Toluene-d8	7.68	98	322447	42.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	84.24%	
62) 4-Bromofluorobenzene	11.48	95	204874	47.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.88%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.09	50	1939	1.140 ug/l #	41	
5) Bromomethane	1.36	94	678	Below Cal #	49	
11) Tert butyl alcohol	2.65	59	991	4.159 ug/l #	7	
13) Acrolein	2.20	56	231	Below Cal	93	
15) Acrylonitrile	3.06	53	938	2.235 ug/l #	60	
18) Methyl Acetate	2.46	43	7345	3.464 ug/l #	61	
20) Methylene Chloride	2.25	84	7900	Below Cal	95	
25) 2-Butanone	4.47	43	2664	Below Cal #	59	
28) Bromochloromethane	3.91	49	62	Below Cal #	6	
29) Tetrahydrofuran	4.22	42	685	Below Cal #	39	
37) Ethyl Acetate	4.23	43	1837	Below Cal #	90	
43) Isopropyl Acetate	7.07	43	3407	1.106 ug/l #	52	
49) 1,4-Dioxane	6.82	88	303	Below Cal #	6	
51) 4-Methyl-2-Pentanone	8.38	43	8668	3.800 ug/l	92	
58) 2-Chloroethyl Vinyl ether	7.75	63	345	1.559 ug/l	100	
59) 2-Hexanone	9.61	43	21995	Below Cal	98	
74) N-amyl acetate	11.44	43	12884	2.123 ug/l	93	
87) 1,3-Dichlorobenzene	12.53	146	2973	Below Cal	93	
95) Naphthalene	14.51	128	15254	1.170 ug/l #	95	

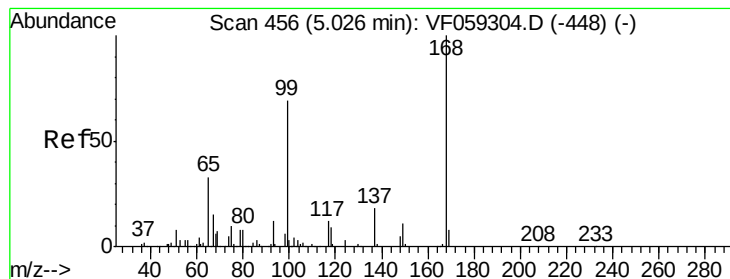
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070518\
Data File : VF059428.D
Acq On : 5 Jul 2018 12:22
Operator : VA/AP
Sample : VF0705SBL01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 06 02:03:26 2018
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# 454

Delta R.T. -0.02 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

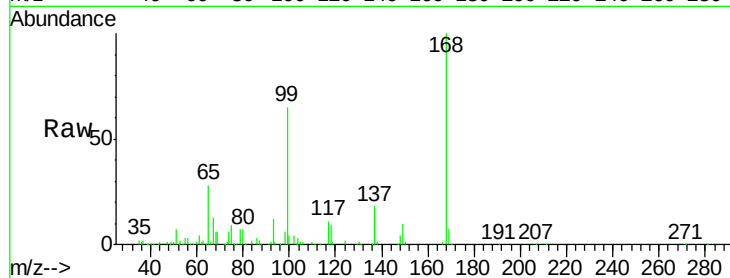
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 277022

Ion Ratio Lower Upper

168 100

99 65.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.00

100000

80000

60000

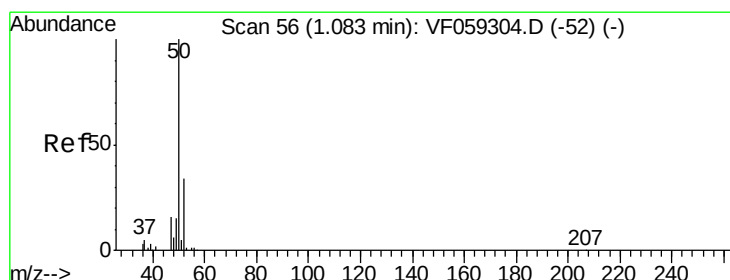
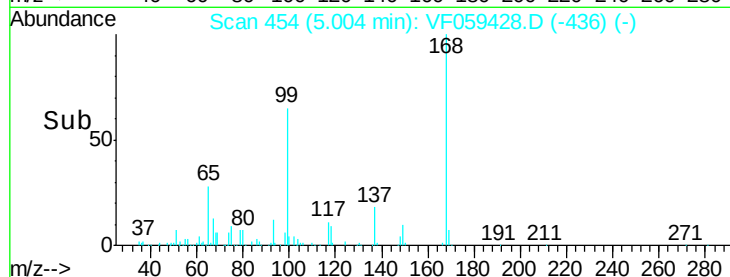
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.140 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059428.D

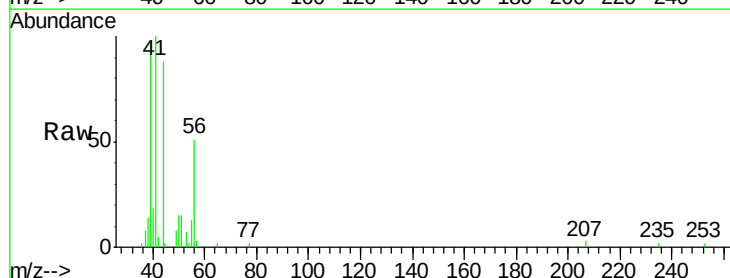
Acq: 5 Jul 2018 12:22

Tgt Ion: 50 Resp: 1939

Ion Ratio Lower Upper

50 100

52 0.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

1200

1000

800

600

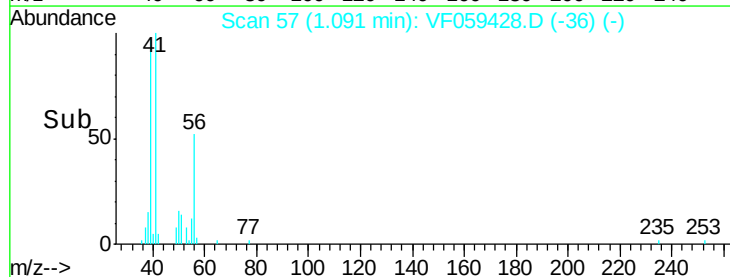
400

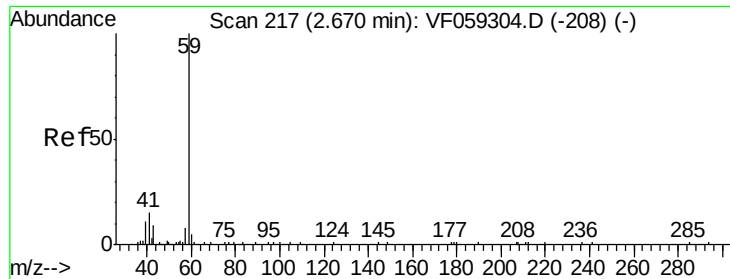
200

0

Time-->

1.05 1.10 1.15



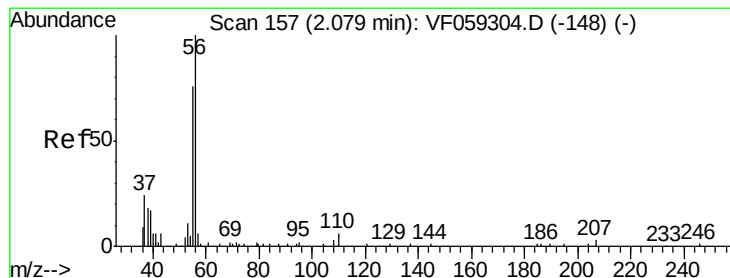
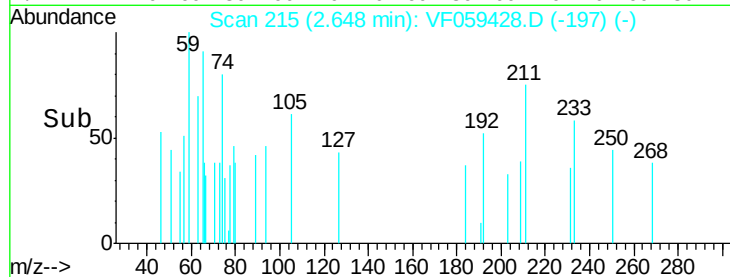
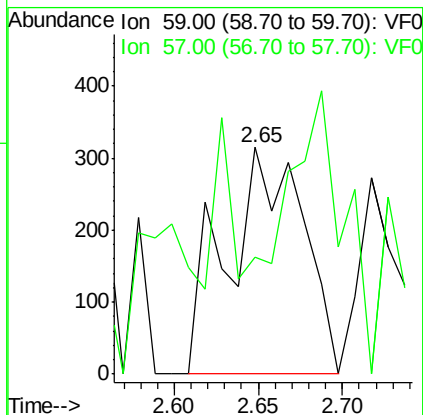
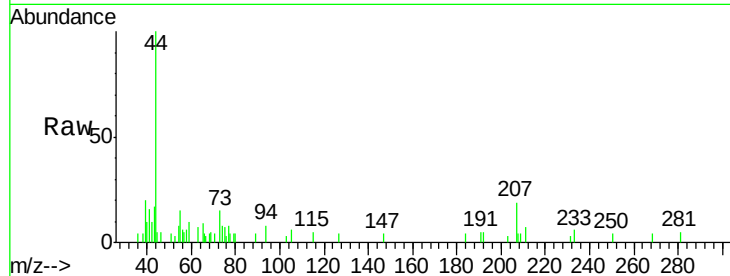


#11

Tert butyl alcohol
 Concen: 4.159 ug/l
 RT: 2.65 min Scan# 215
 Delta R.T. -0.02 min
 Lab File: VF059428.D
 Acq: 5 Jul 2018 12:22

Instrument :
 MSVOA_F
 ClientSampleId :

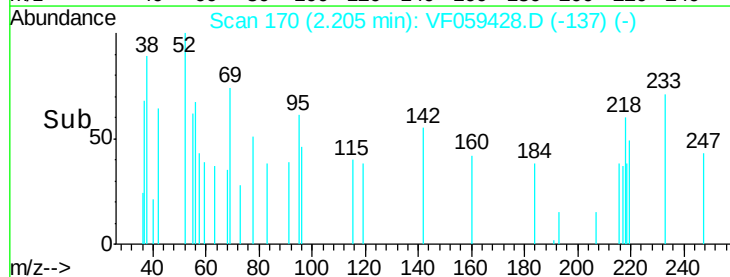
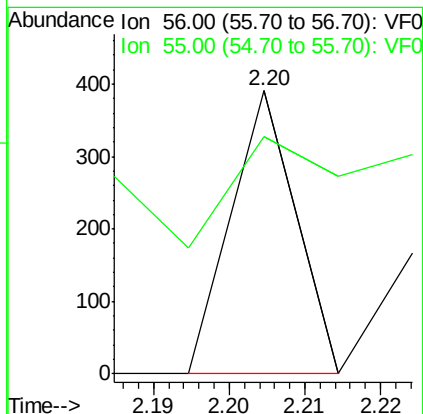
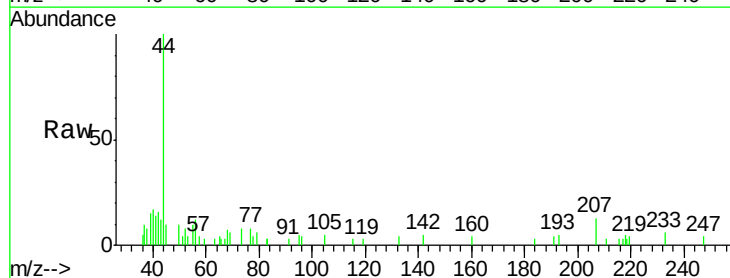
Tot Ion: 59 Resp: 991
 Ion Ratio Lower Upper
 59 100
 57 51.4 11.0 16.4#

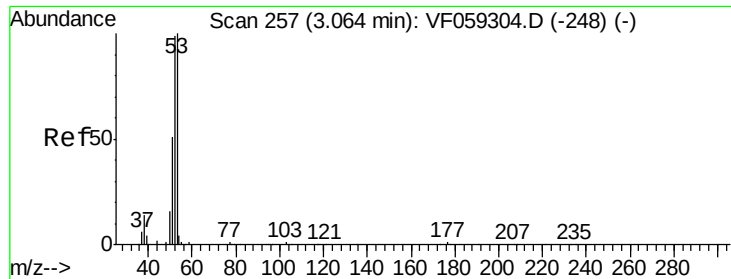


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 170
 Delta R.T. 0.13 min
 Lab File: VF059428.D
 Acq: 5 Jul 2018 12:22

Tgt Ion: 56 Resp: 231
 Ion Ratio Lower Upper
 56 100
 55 83.9 62.4 93.6





#15

Acrylonitrile

Concen: 2.235 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

Instrument :
MSVOA_F
ClientSampled :

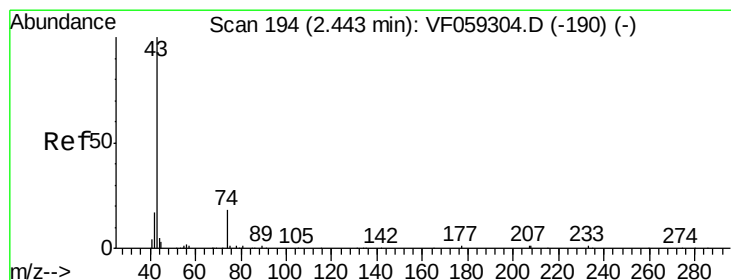
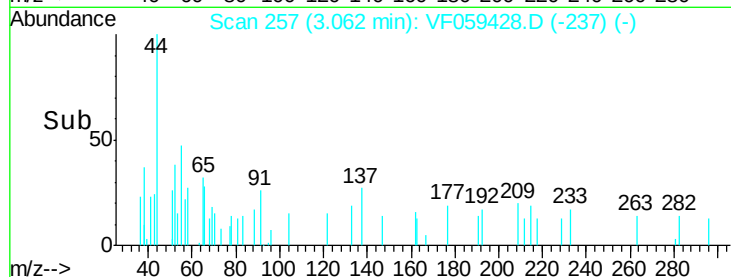
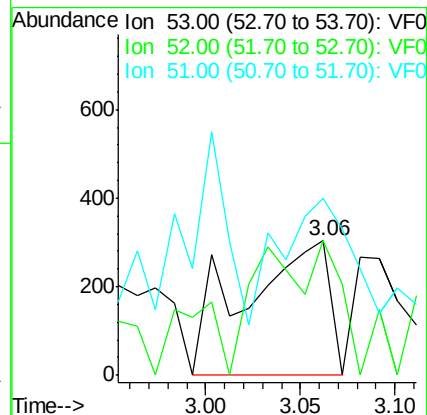
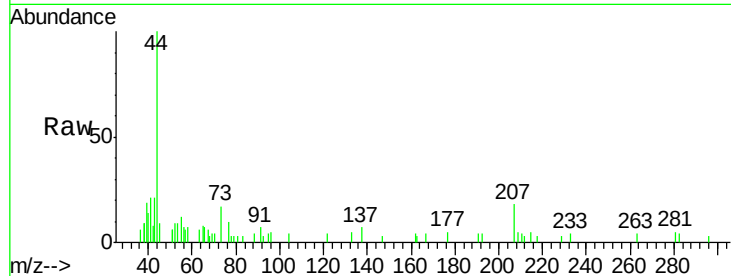
Tot Ion: 53 Resp: 938

Ion Ratio Lower Upper

53 100

52 100.0 79.2 118.8

51 131.9 40.9 61.3#



#18

Methyl Acetate

Concen: 3.464 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.02 min

Lab File: VF059428.D

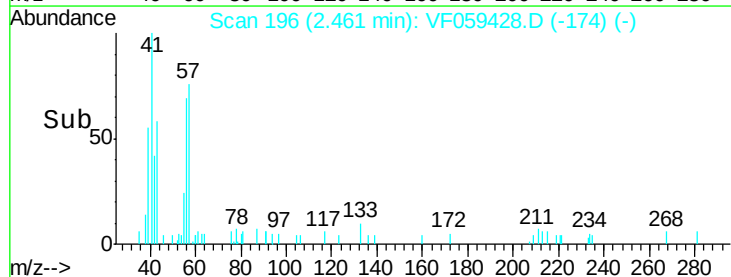
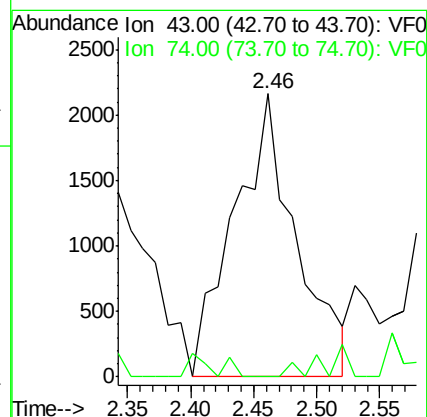
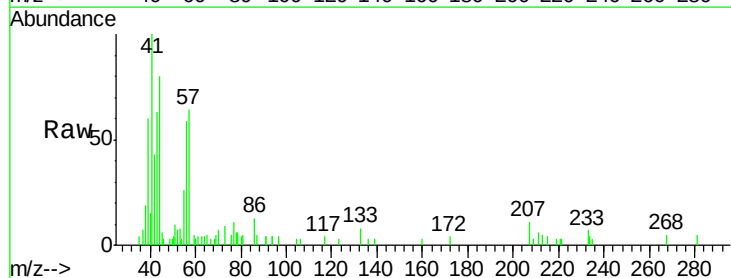
Acq: 5 Jul 2018 12:22

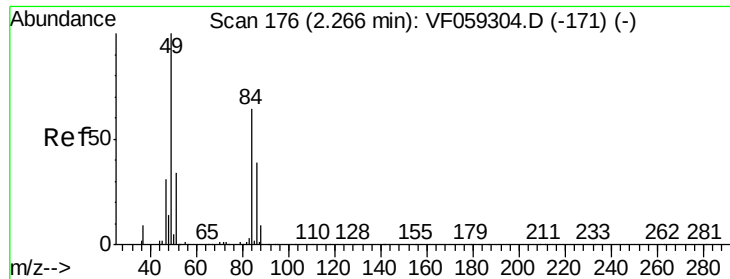
Tgt Ion: 43 Resp: 7345

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#

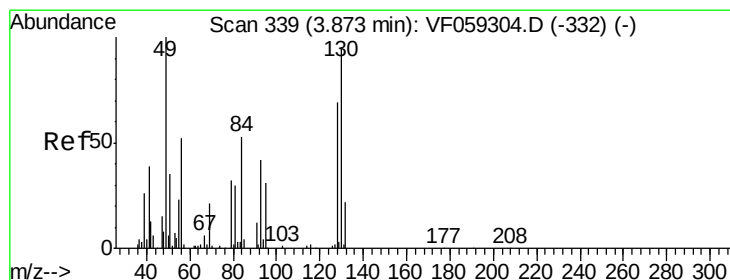
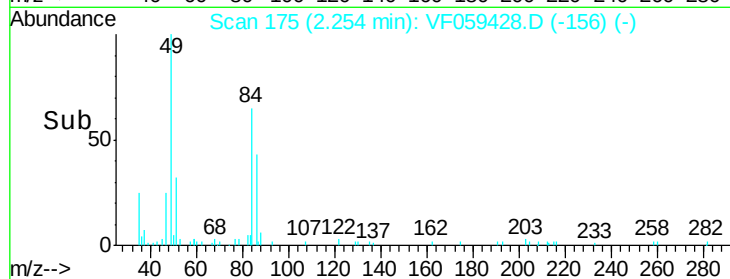
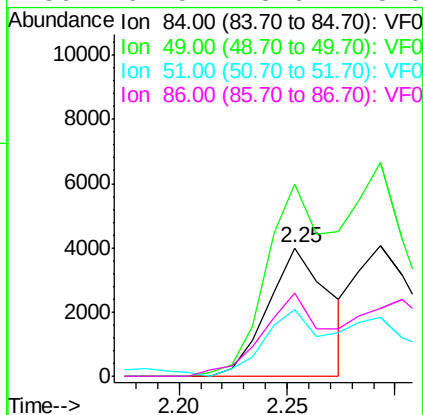
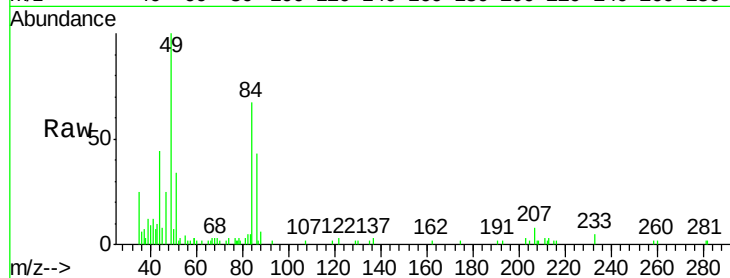




#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

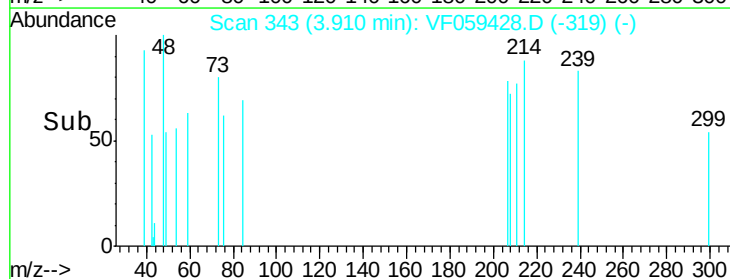
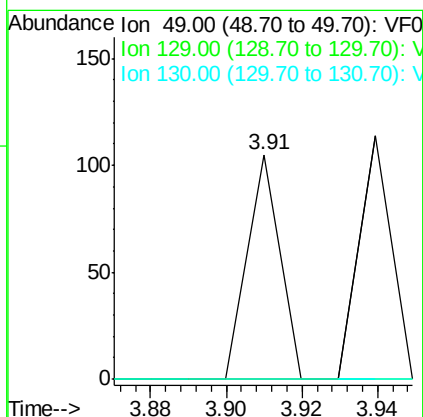
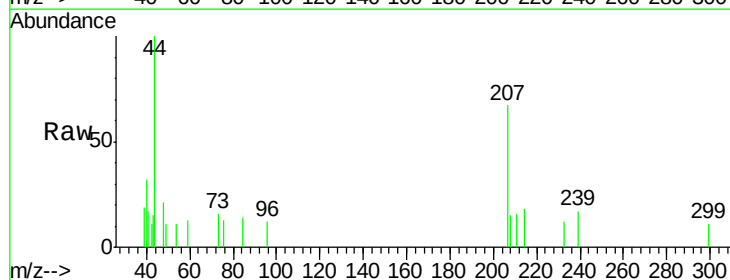
Instrument :
MSVOA_F
ClientSampleId :

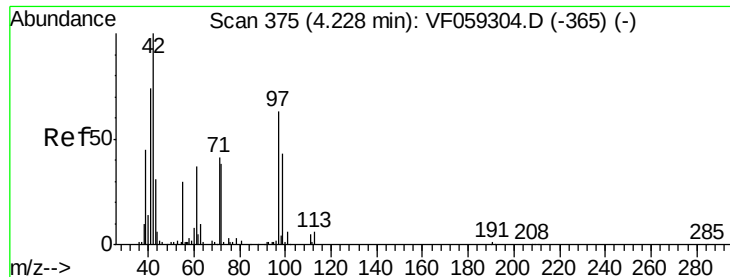
Tot Ion:	84	Resp:	7900
Ion	Ratio	Lower	Upper
84	100		
49	149.8	126.5	189.7
51	51.5	42.9	64.3
86	64.5	48.6	73.0



#28
Bromochloromethane
Concen: Below Cal
RT: 3.91 min Scan# 343
Delta R.T. 0.04 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

Tgt Ion:	49	Resp:	62
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	75.1	112.7#

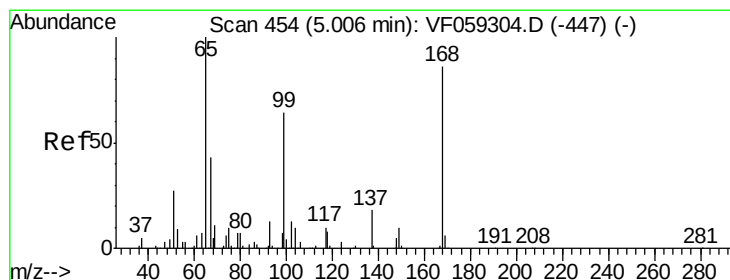
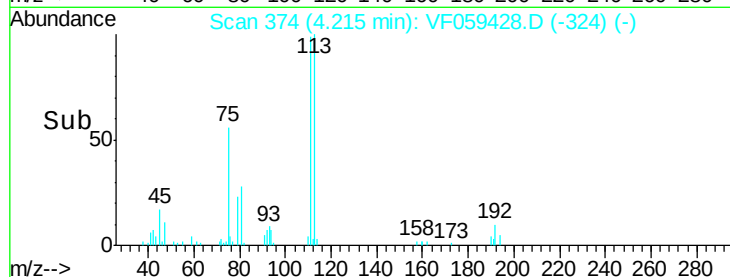
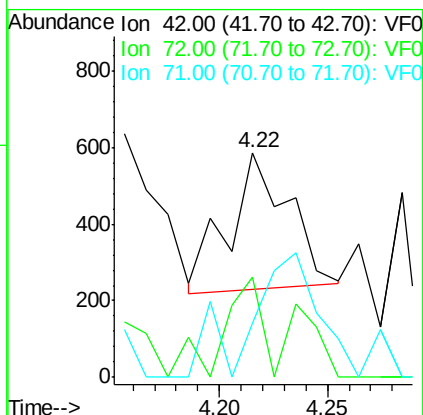
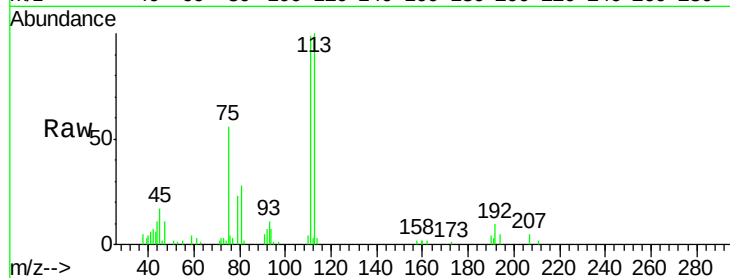




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

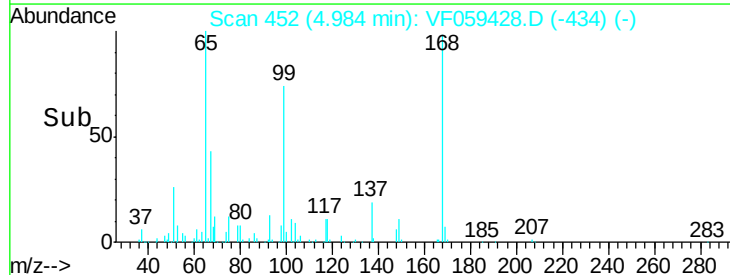
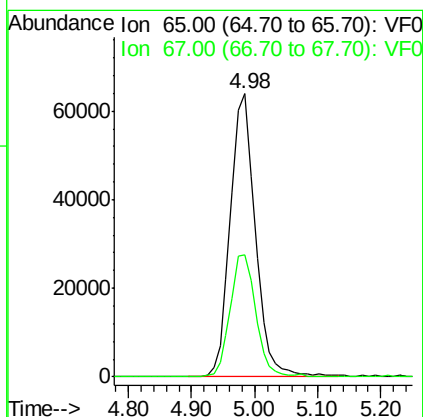
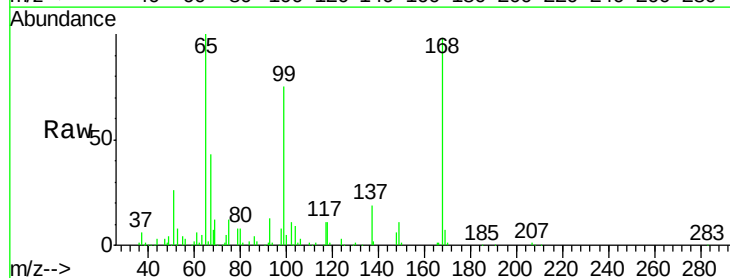
Instrument :
MSVOA_F
ClientSampleId :

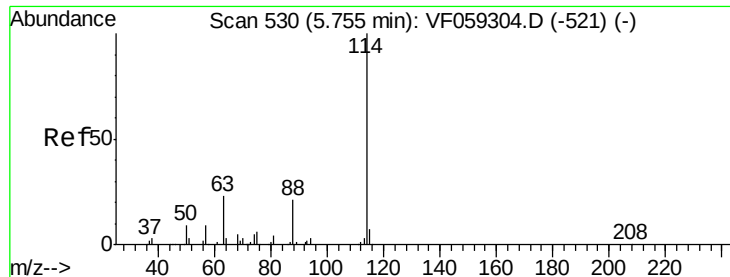
Tot Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 47.9 30.5 45.7#
71 104.5 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 49.244 ug/l
RT: 4.98 min Scan# 452
Delta R.T. -0.02 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

Tgt Ion: 65 Resp: 176250
Ion Ratio Lower Upper
65 100
67 43.0 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.72 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

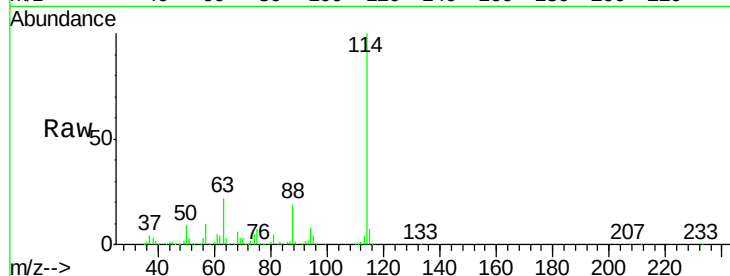
Tot Ion:114 Resp: 423176

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.8

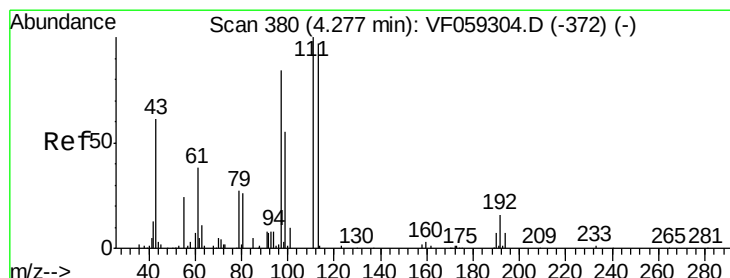
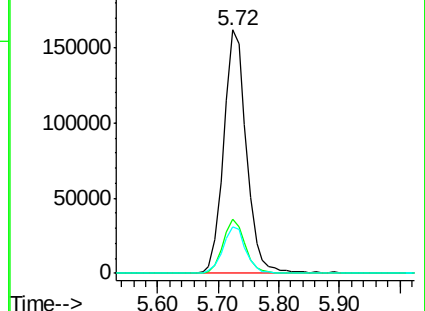
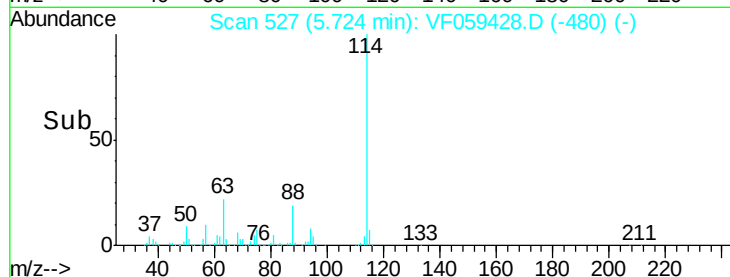
88 19.3 0.0 41.2



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: 48.916 ug/l

RT: 4.25 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

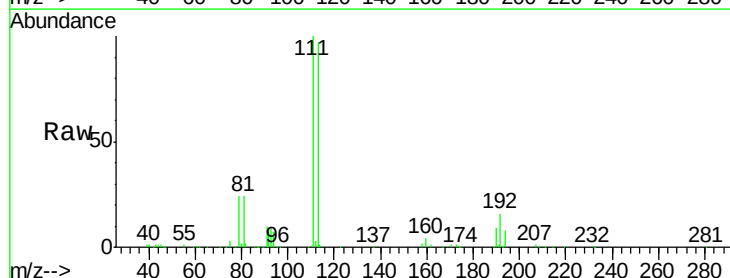
Tgt Ion:113 Resp: 151250

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

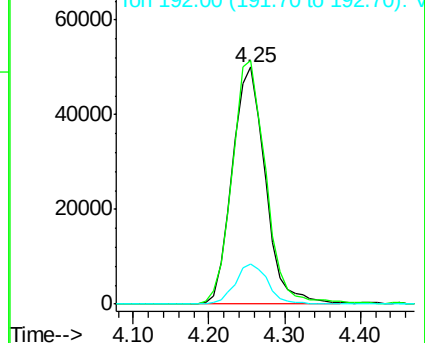
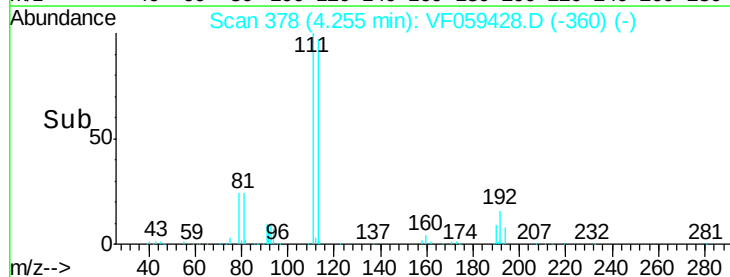
192 16.9 13.0 19.6

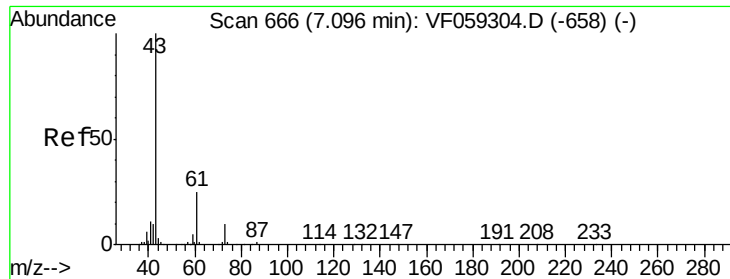


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#43

Isopropyl Acetate

Concen: 1.106 ug/l

RT: 7.07 min Scan# 664

Delta R.T. -0.02 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

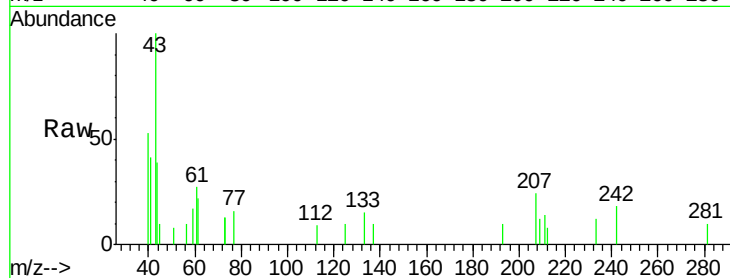
Tot Ion: 43 Resp: 3407

Ion Ratio Lower Upper

43 100

61 49.3 19.7 29.5#

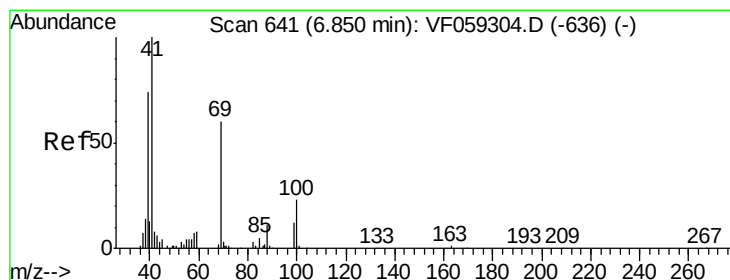
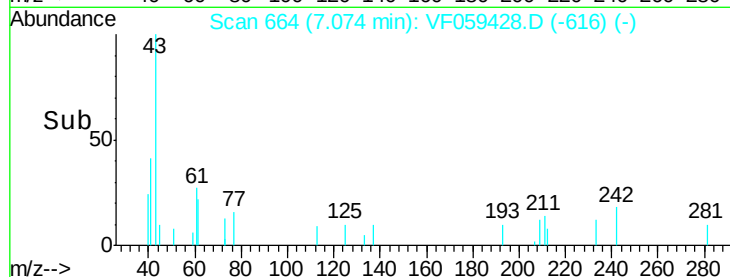
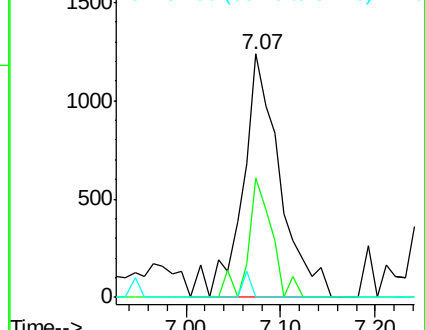
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.82 min Scan# 638

Delta R.T. -0.03 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

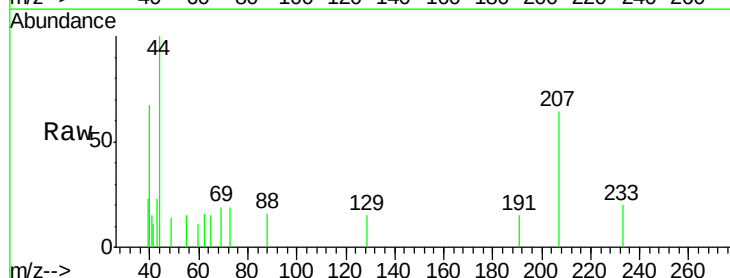
Tgt Ion: 88 Resp: 303

Ion Ratio Lower Upper

88 100

43 147.9 50.6 75.8#

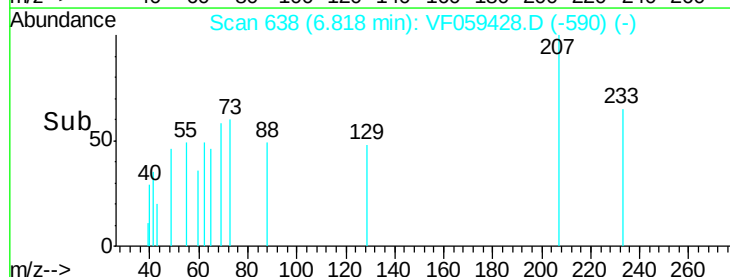
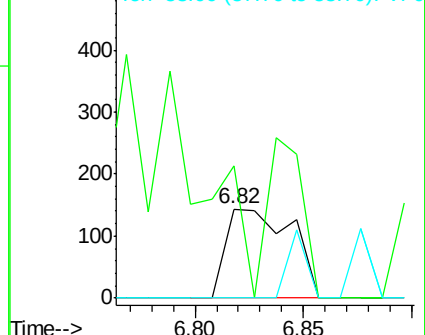
58 0.0 46.6 69.8#

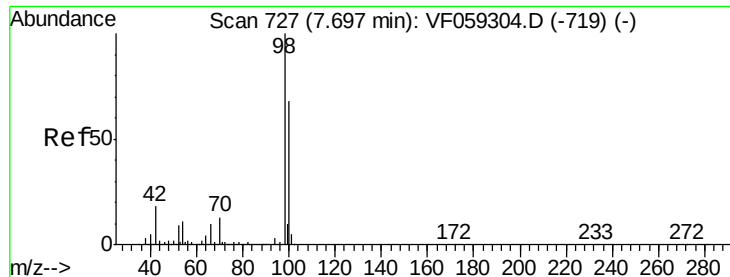


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 42.120 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

Instrument :

MSVOA_F

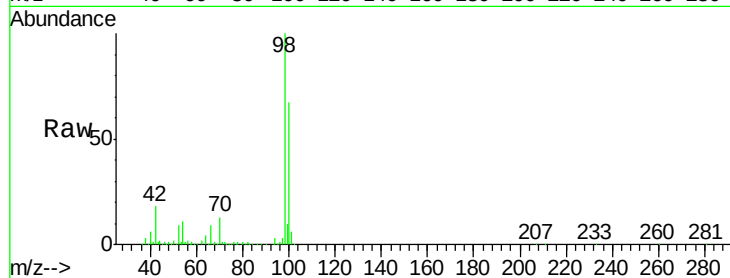
ClientSampled :

Tot Ion: 98 Resp: 322447

Ion Ratio Lower Upper

98 100

100 66.6 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.68

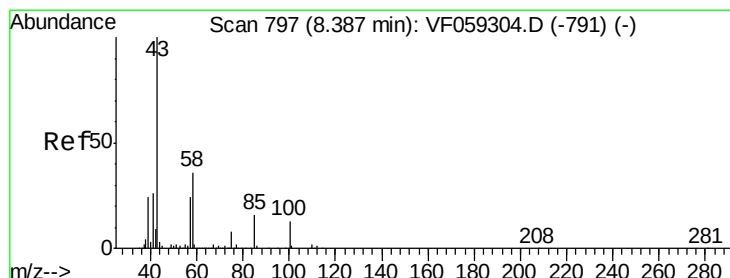
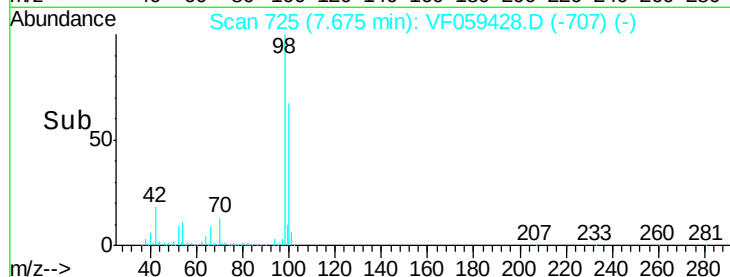
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.800 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059428.D

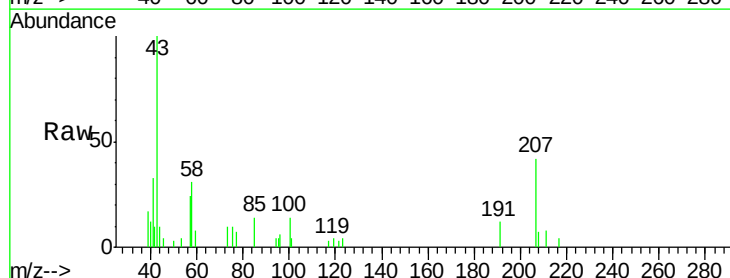
Acq: 5 Jul 2018 12:22

Tgt Ion: 43 Resp: 8668

Ion Ratio Lower Upper

43 100

58 30.9 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

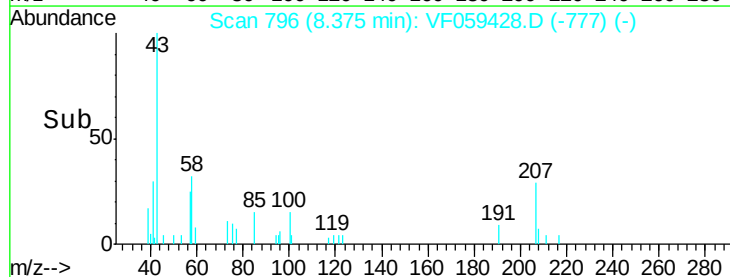
3000

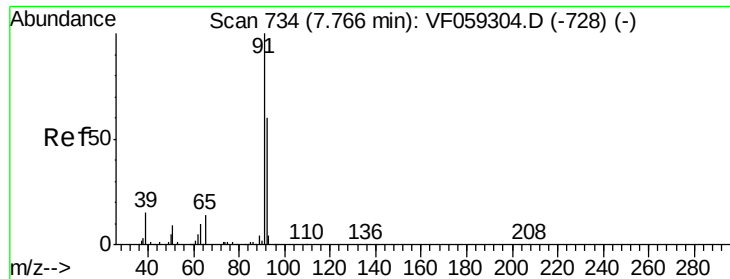
2000

1000

0

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 1.559 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

Instrument :

MSVOA_F

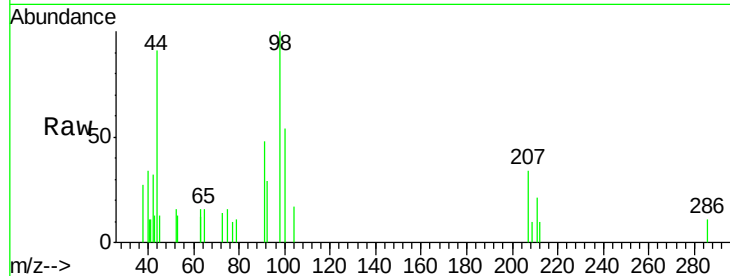
ClientSampled :

Tot Ion: 63 Resp: 345

Ion Ratio Lower Upper

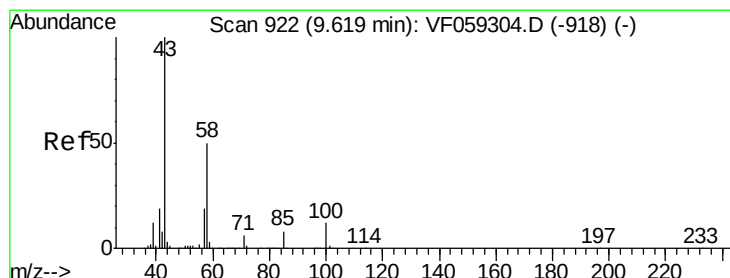
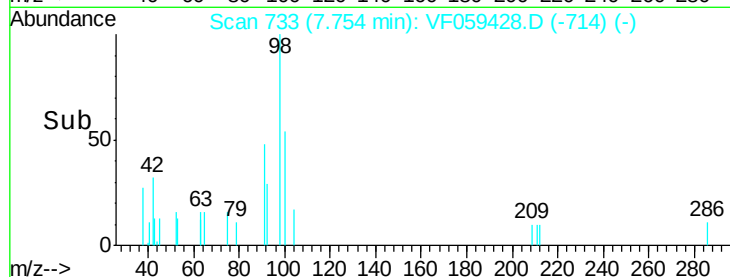
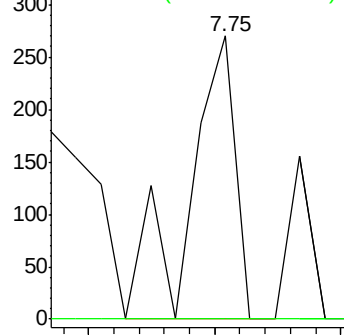
63 100

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



#59

2-Hexanone

Concen: Below Cal

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VF059428.D

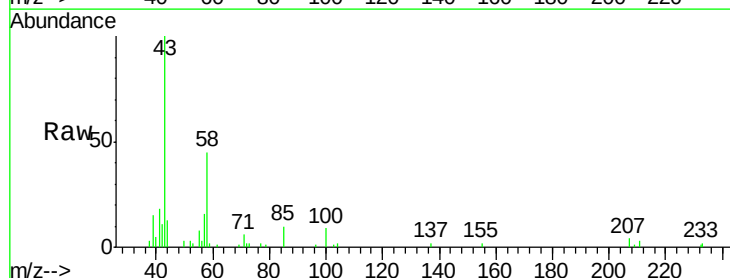
Acq: 5 Jul 2018 12:22

Tgt Ion: 43 Resp: 21995

Ion Ratio Lower Upper

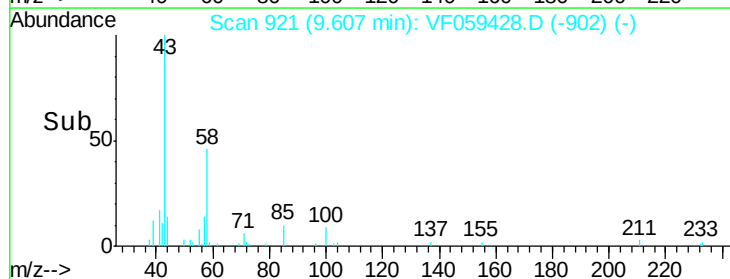
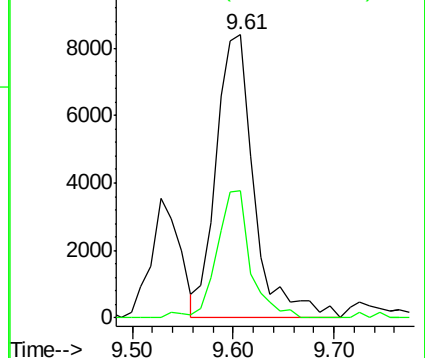
43 100

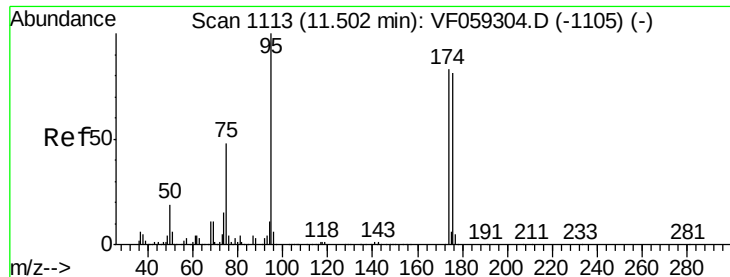
58 45.0 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

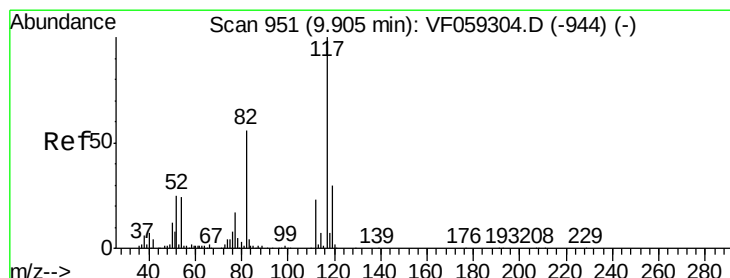
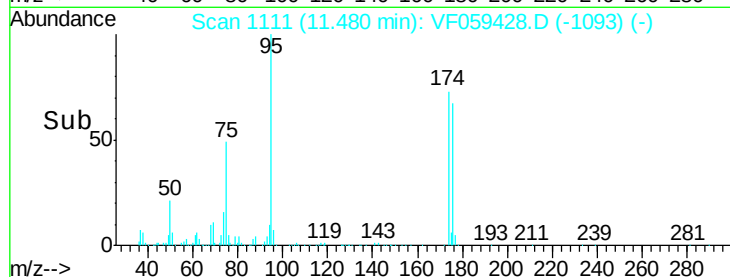
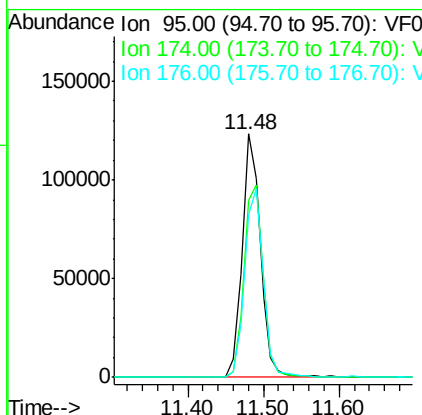
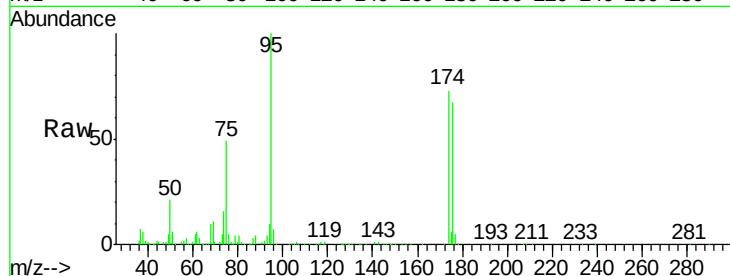




#62
4-Bromofluorobenzene
Concen: 47.442 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

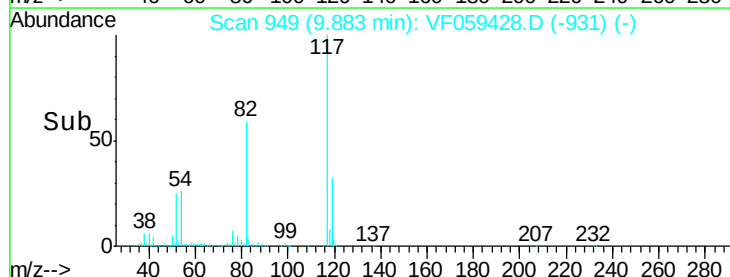
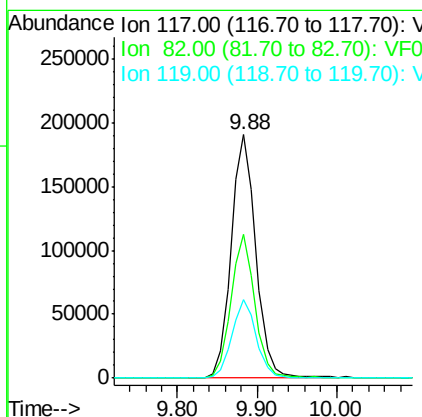
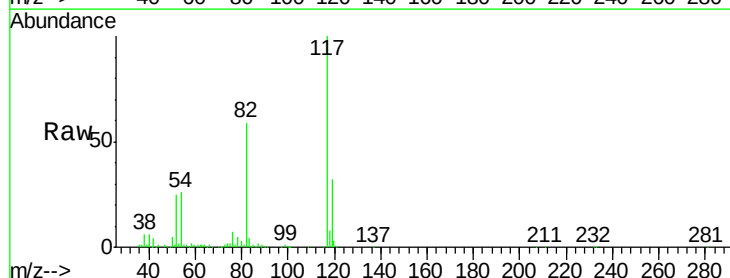
Instrument :
MSVOA_F
ClientSampleId :

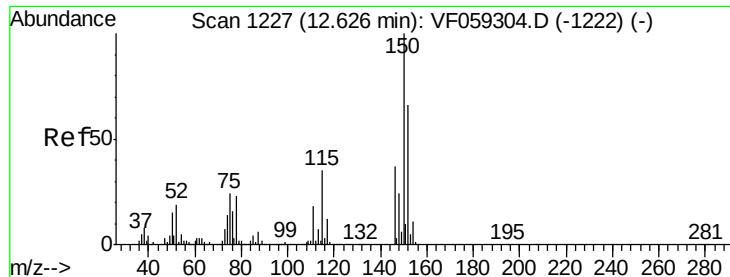
Tot Ion: 95 Resp: 204874
Ion Ratio Lower Upper
95 100
174 72.5 0.0 165.2
176 66.9 0.0 161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

Tgt Ion: 117 Resp: 413508
Ion Ratio Lower Upper
117 100
82 59.3 44.6 66.8
119 32.4 24.1 36.1



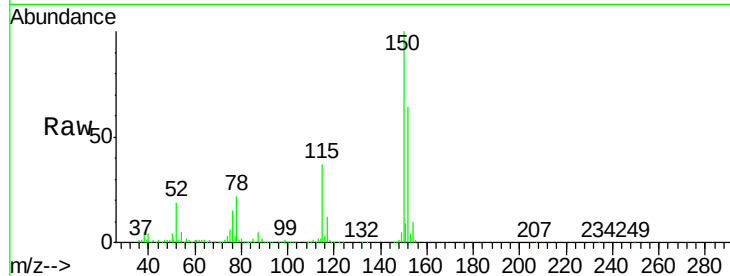


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.7	27.1	81.3
150	156.4	0.0	305.2

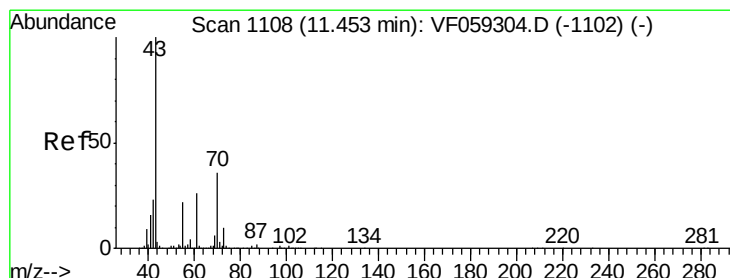
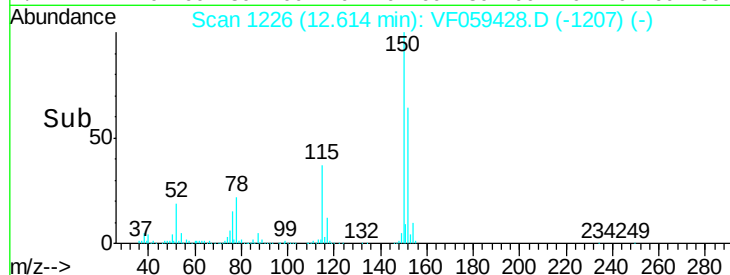
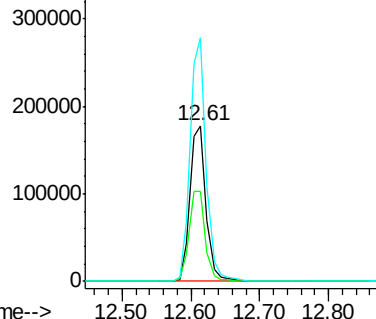


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

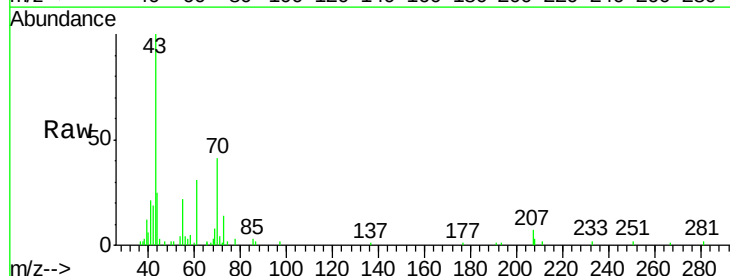
Ion 150.00 (149.70 to 150.70): V



#74

N-amil acetate
Concen: 2.123 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF059428.D
Acq: 5 Jul 2018 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.1	28.8	43.2
55	22.0	17.4	26.0
61	31.1	21.1	31.7



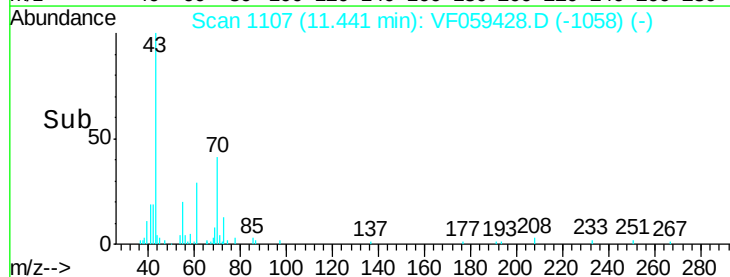
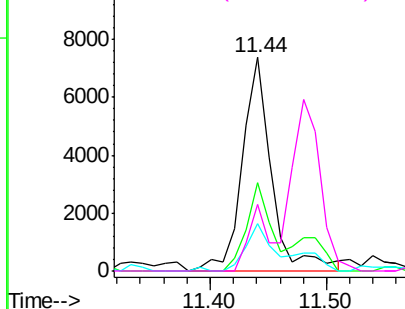
Abundance

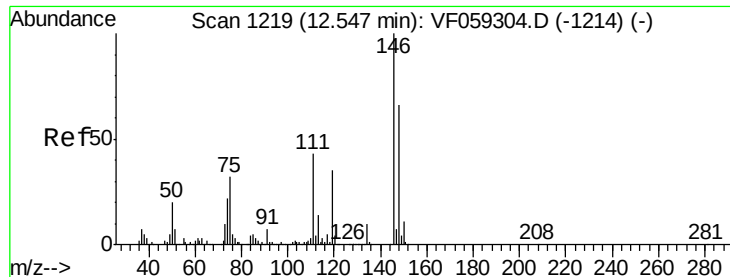
Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.53 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059428.D

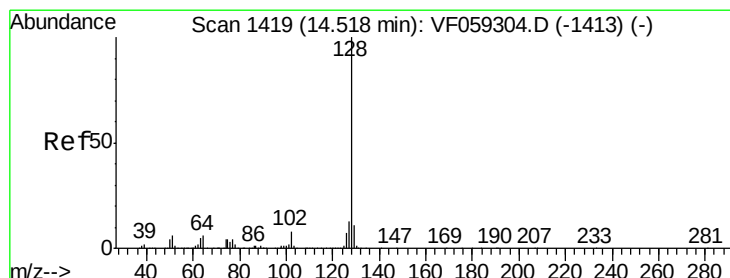
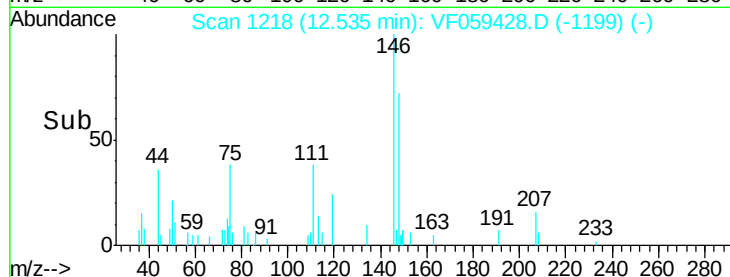
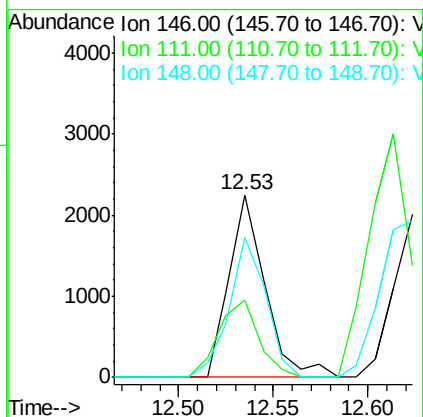
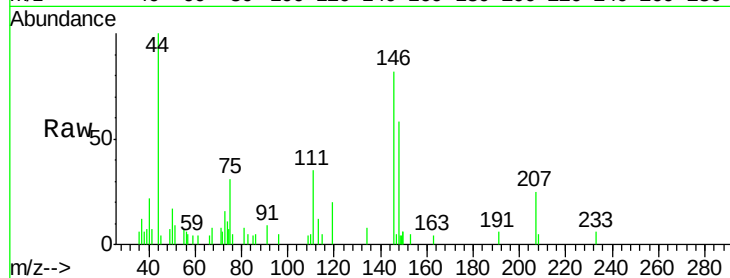
Acq: 5 Jul 2018 12:22

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:146	Resp:	2973	
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.4	64.2
148	72.0	32.8	98.4



#95

Naphthalene

Concen: 1.170 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059428.D

Acq: 5 Jul 2018 12:22

Tgt	Ion:128	Resp:	15254
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.1	15.1
129	8.3	8.8	13.2#

