

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059464.D
 Acq On : 6 Jul 2018 21:57
 Operator : VA/AP
 Sample : J3855-03RE
 Misc : 5.93g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-10(6-6.5)

Quant Time: Jul 07 01:52:26 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	5.01	168	162103	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.73	114	245187	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	248387	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	171361	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	125630	59.99	ug/l	-0.02
Spiked Amount 50.000			Recovery =	119.98%		
35) Dibromofluoromethane	4.26	113	106902	59.67	ug/l	-0.02
Spiked Amount 50.000			Recovery =	119.34%		
50) Toluene-d8	7.68	98	225320	50.80	ug/l	-0.02
Spiked Amount 50.000			Recovery =	101.60%		
62) 4-Bromofluorobenzene	11.49	95	139555	55.78	ug/l	-0.01
Spiked Amount 50.000			Recovery =	111.56%		

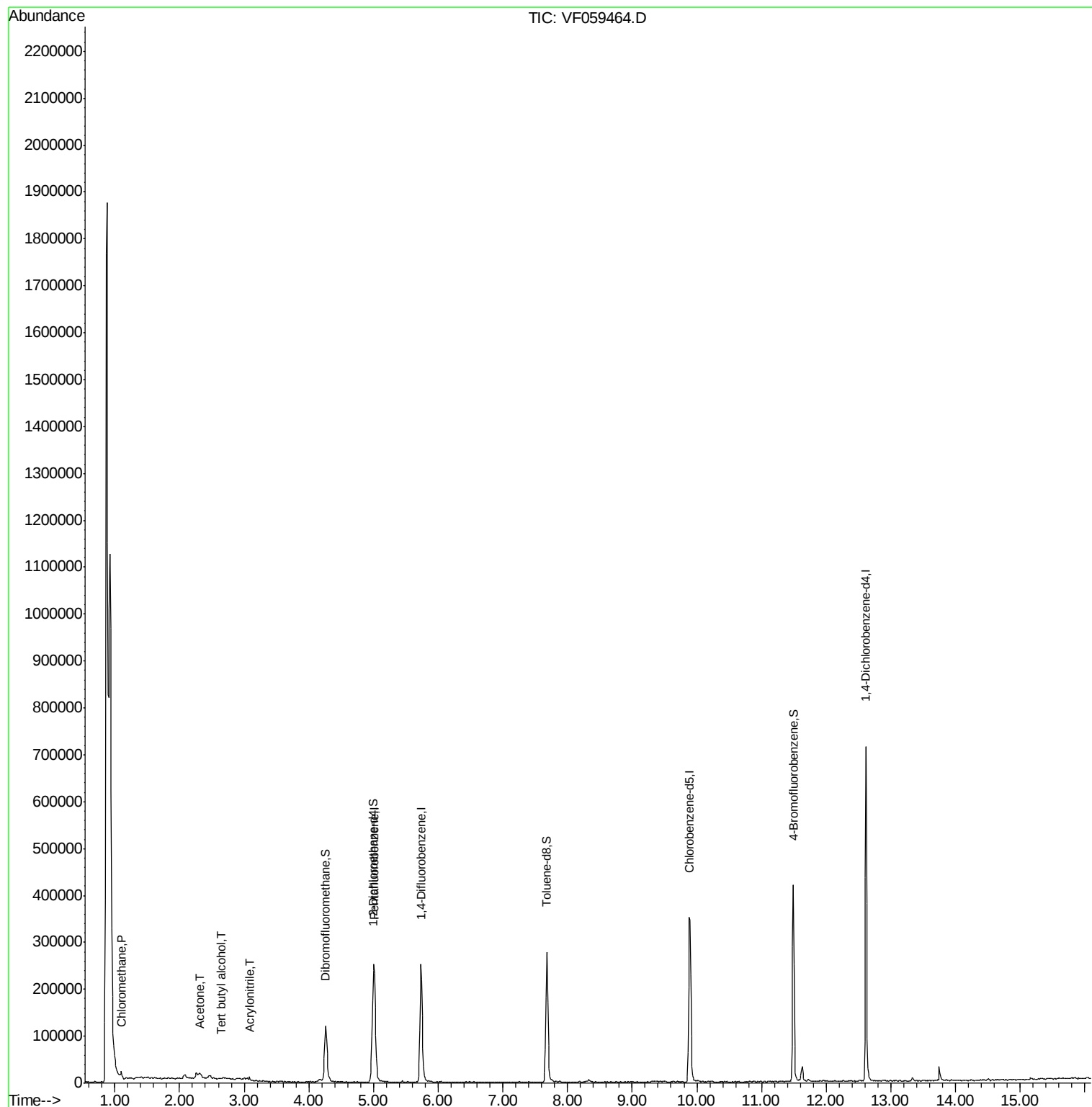
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1454	1.461	ug/l #	84
5) Bromomethane	1.34	94	318	Below Cal	#	4
11) Tert butyl alcohol	2.65	59	680	4.877	ug/l #	66
13) Acrolein	2.03	56	366	Below Cal		95
15) Acrylonitrile	3.07	53	477	1.943	ug/l #	9
16) Acetone	2.32	43	11201	11.692	ug/l #	91
20) Methylene Chloride	2.25	84	7809	Below Cal	#	89
25) 2-Butanone	4.48	43	540	Below Cal	#	59
28) Bromochloromethane	3.86	49	83	Below Cal	#	6
29) Tetrahydrofuran	4.24	42	342	Below Cal	#	54
37) Ethyl Acetate	4.28	43	472	Below Cal	#	26
49) 1,4-Dioxane	6.96	88	62	Below Cal	#	20
59) 2-Hexanone	9.60	43	516	Below Cal	#	30
87) 1,3-Dichlorobenzene	12.55	146	383	Below Cal	#	45

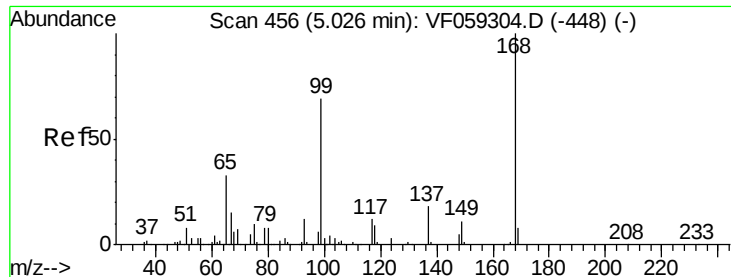
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

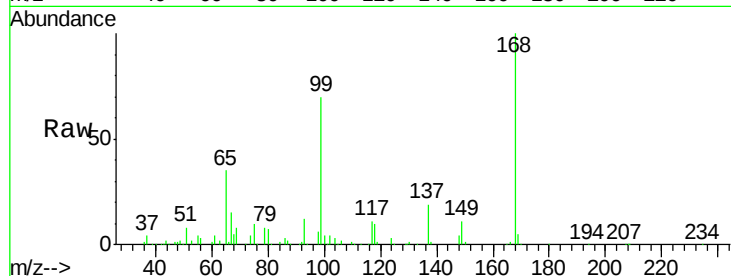
S-10(6-6.5)

Tot Ion:168 Resp: 162103

Ion Ratio Lower Upper

168 100

99 70.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

60000

50000

40000

30000

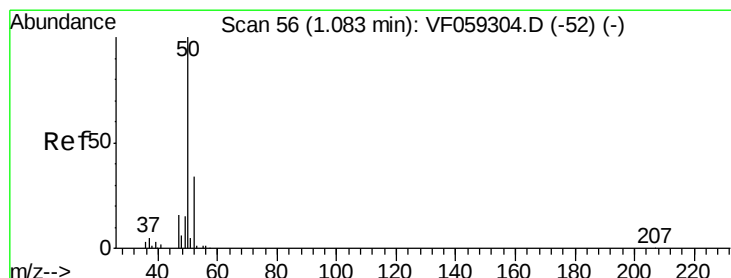
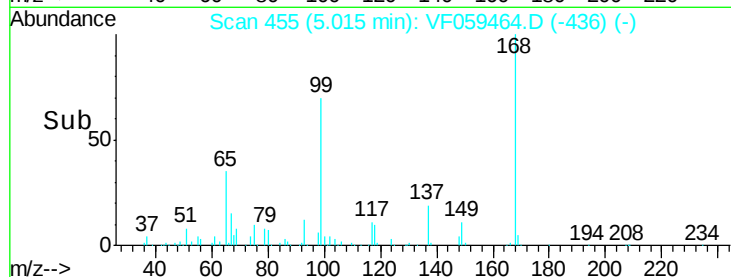
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.461 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059464.D

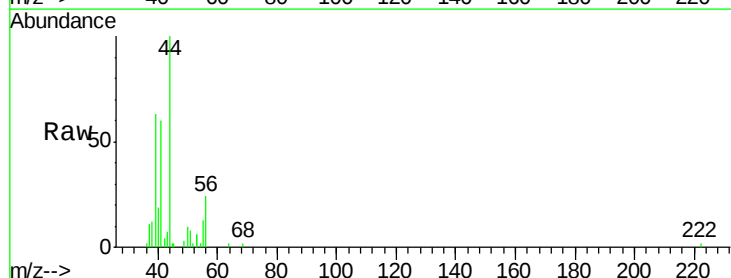
Acq: 6 Jul 2018 21:57

Tgt Ion: 50 Resp: 1454

Ion Ratio Lower Upper

50 100

52 24.5 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

800

600

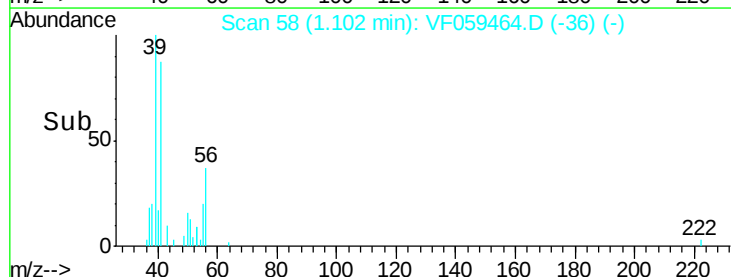
400

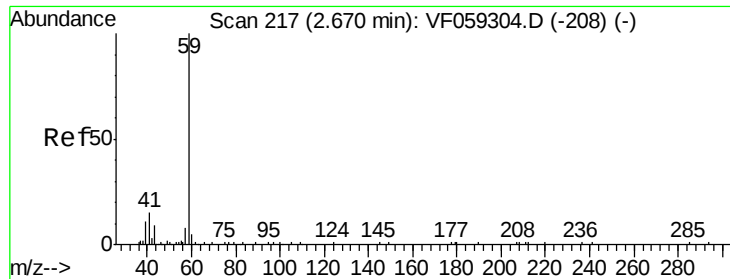
200

0

Time-->

1.05 1.10 1.15



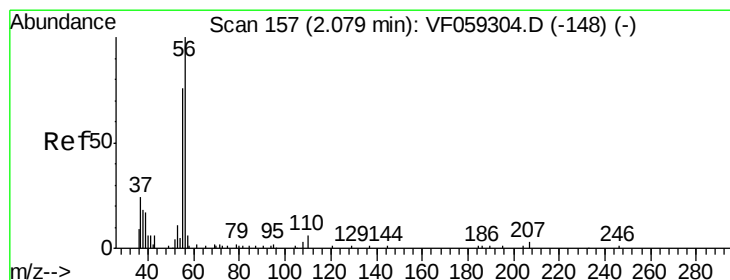
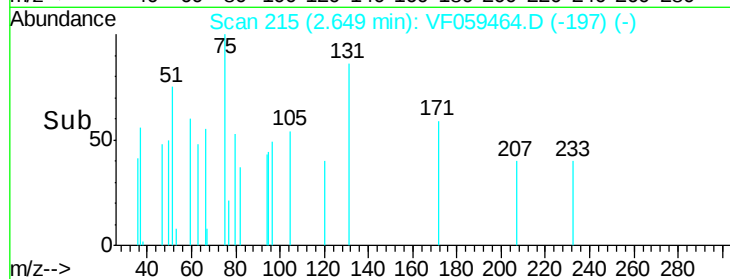
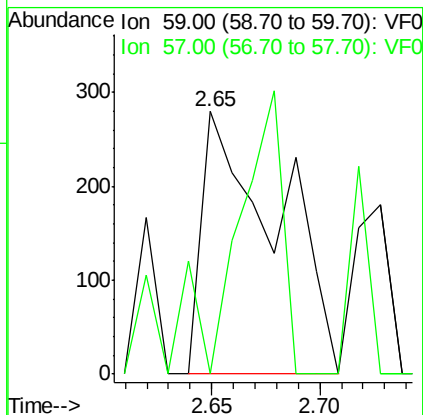
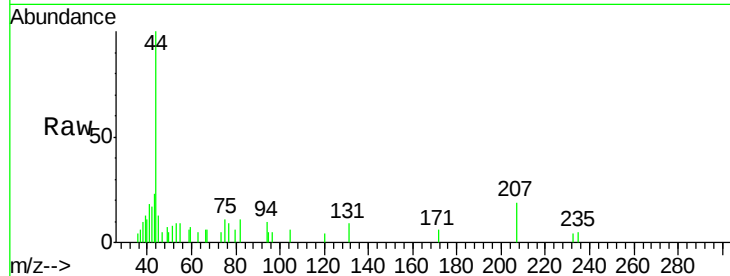


#11

Tert butyl alcohol
 Concen: 4.877 ug/l
 RT: 2.65 min Scan# 215
 Delta R.T. -0.02 min
 Lab File: VF059464.D
 Acq: 6 Jul 2018 21:57

Instrument :
 MSVOA_F
 ClientSampleId :
 S-10(6-6.5)

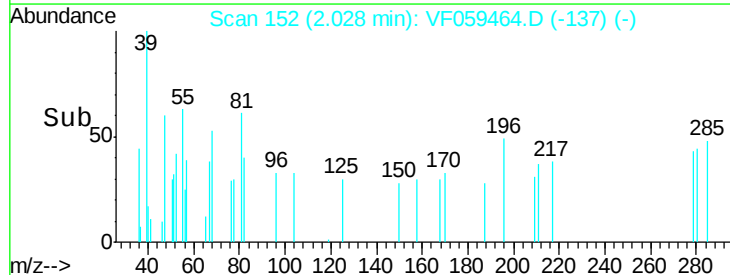
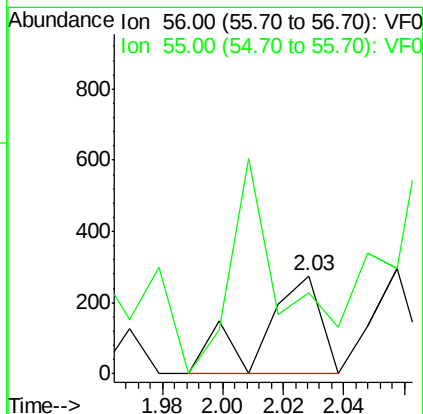
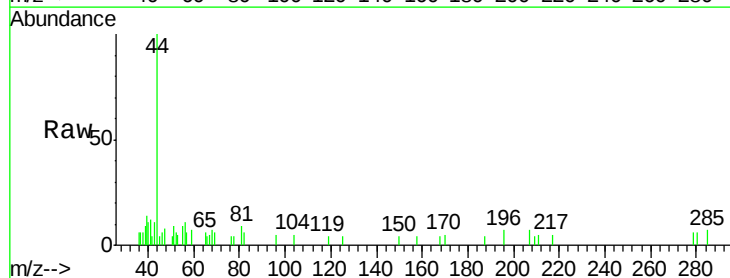
Tot Ion: 59 Resp: 680
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.0 16.4#

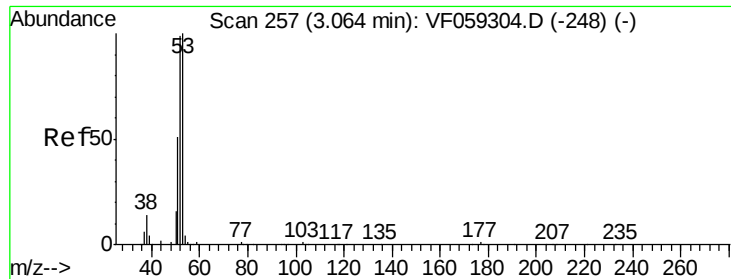


#13

Acrolein
 Concen: Below Cal
 RT: 2.03 min Scan# 152
 Delta R.T. -0.05 min
 Lab File: VF059464.D
 Acq: 6 Jul 2018 21:57

Tgt Ion: 56 Resp: 366
 Ion Ratio Lower Upper
 56 100
 55 82.6 62.4 93.6





#15

Acrylonitrile

Concen: 1.943 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

S-10(6-6.5)

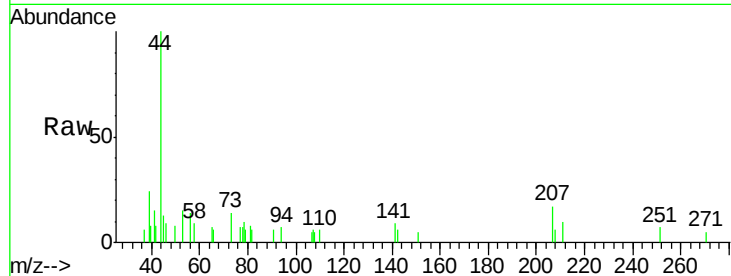
Tot Ion: 53 Resp: 477

Ion Ratio Lower Upper

53 100

52 0.0 79.2 118.8#

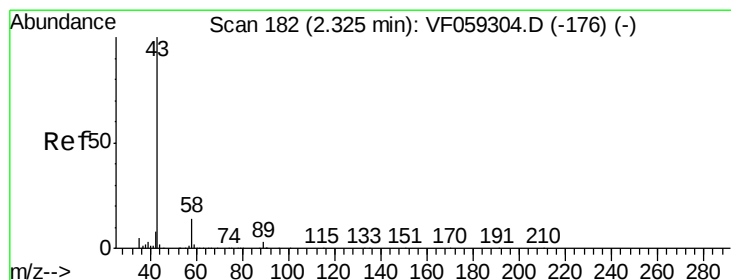
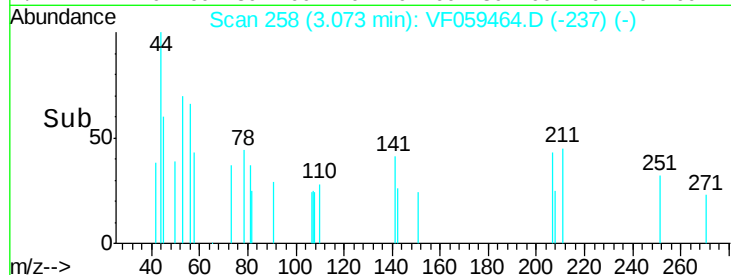
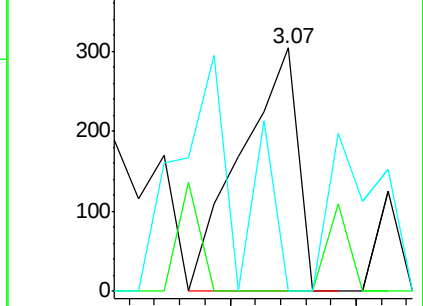
51 0.0 40.9 61.3#



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: 11.692 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059464.D

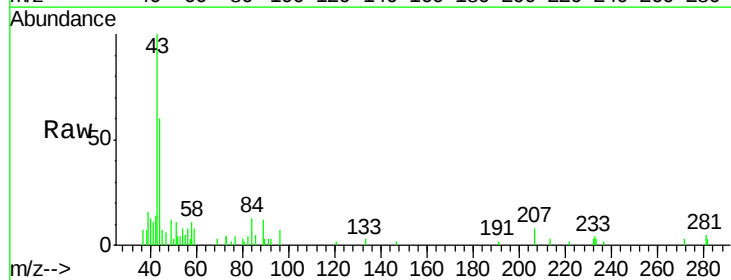
Acq: 6 Jul 2018 21:57

Tgt Ion: 43 Resp: 11201

Ion Ratio Lower Upper

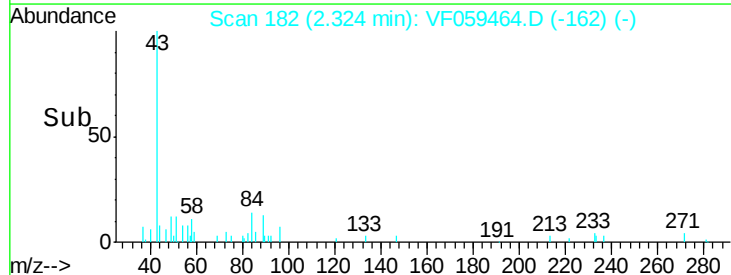
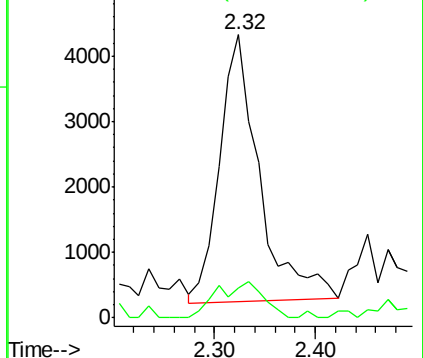
43 100

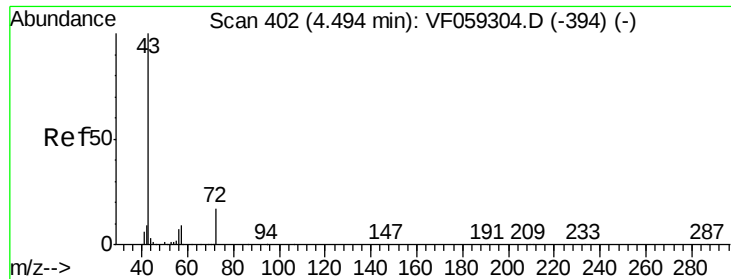
58 10.6 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#25

2-Butanone

Concen: Below Cal

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

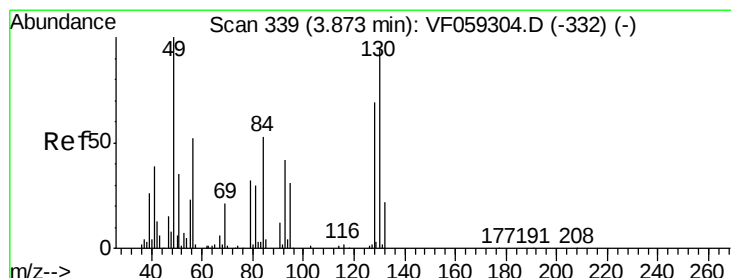
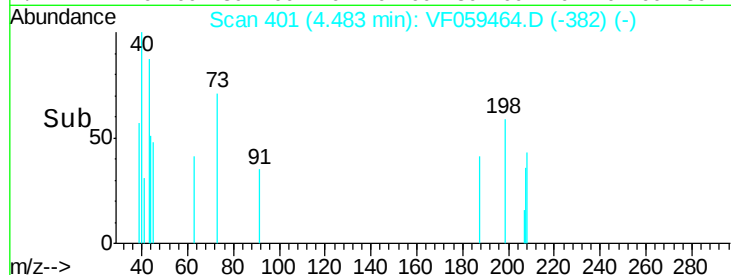
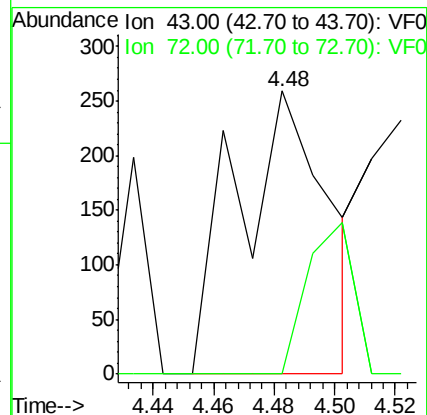
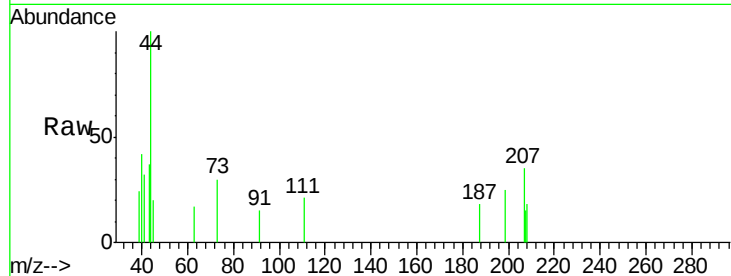
S-10(6-6.5)

Tot Ion: 43 Resp: 540

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

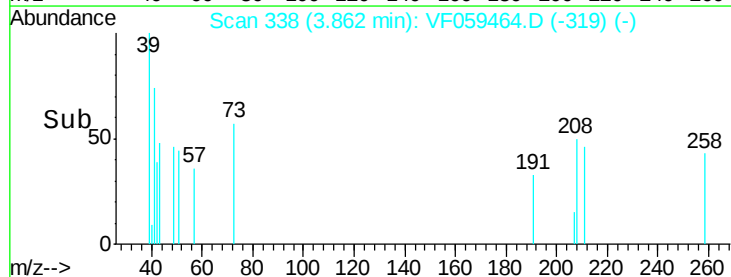
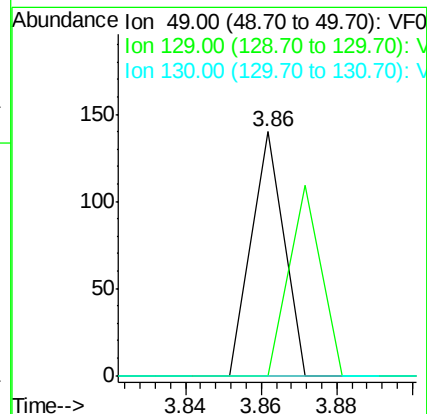
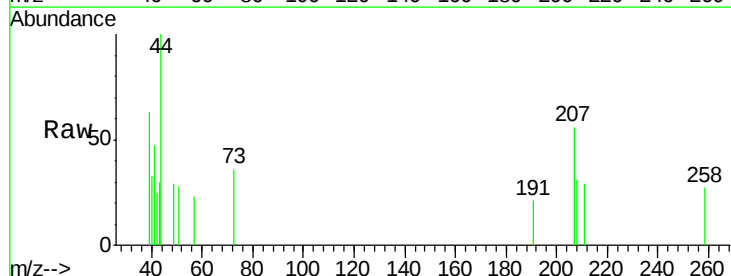
Tgt Ion: 49 Resp: 83

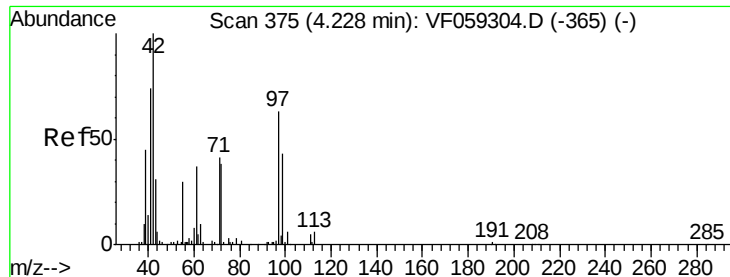
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

130 0.0 75.1 112.7#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

S-10(6-6.5)

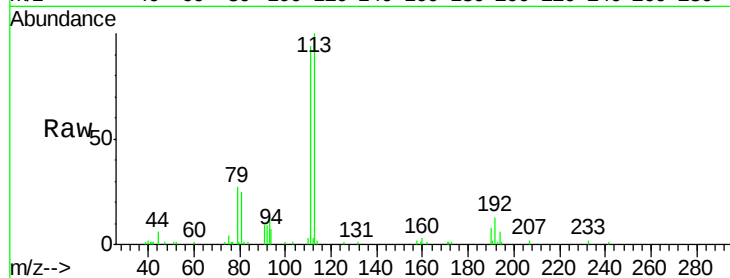
Tot Ion: 42 Resp: 342

Ion Ratio Lower Upper

42 100

72 22.8 30.5 45.7#

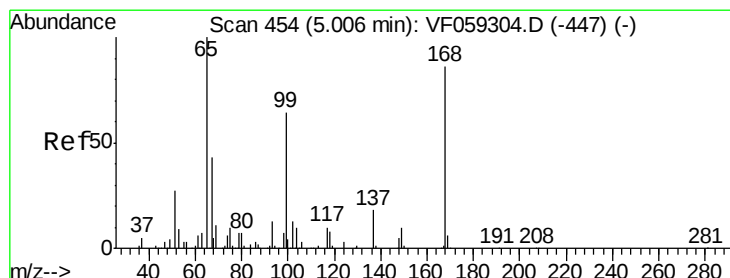
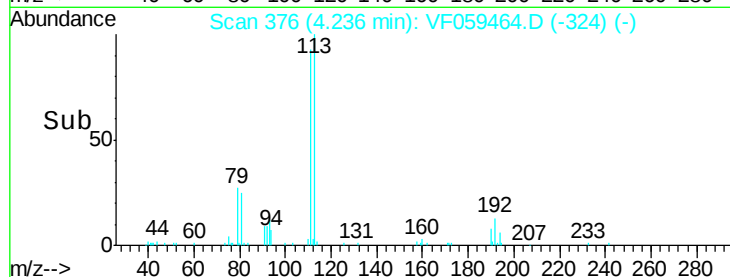
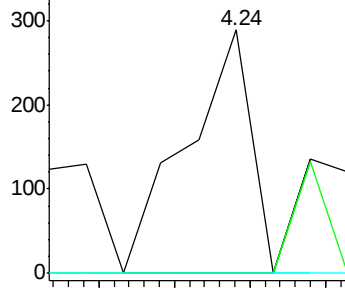
71 0.0 32.5 48.7#



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: 59.985 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059464.D

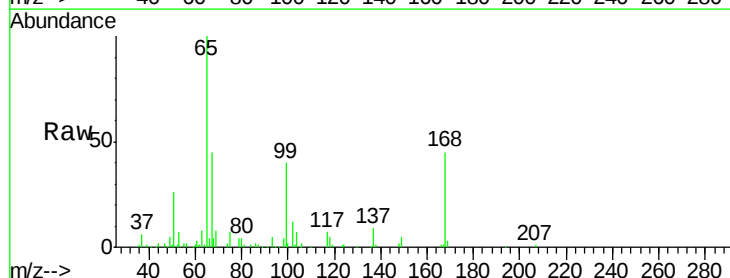
Acq: 6 Jul 2018 21:57

Tgt Ion: 65 Resp: 125630

Ion Ratio Lower Upper

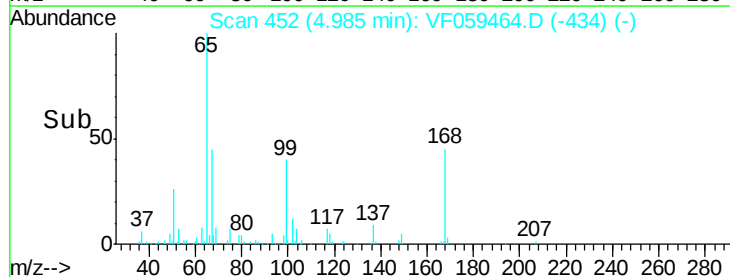
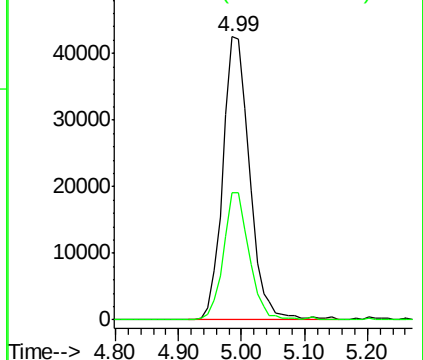
65 100

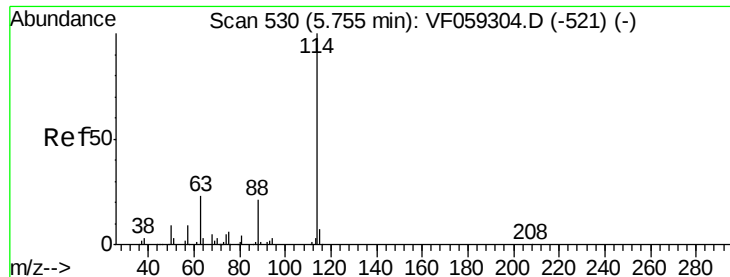
67 44.9 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

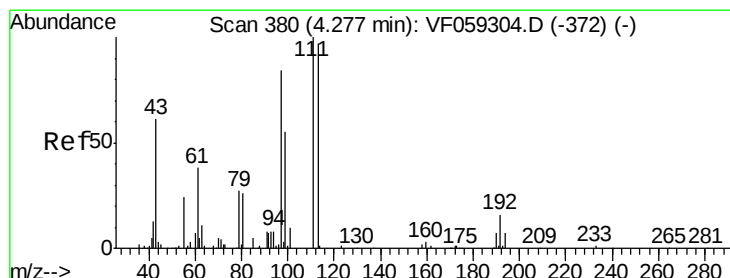
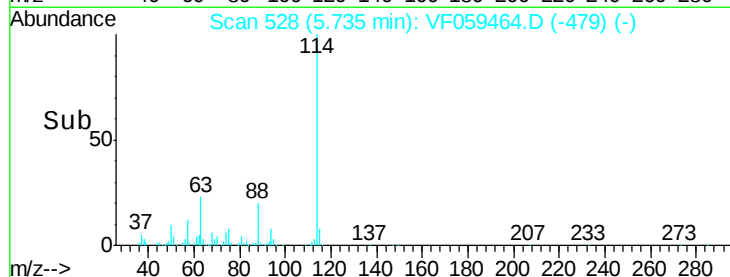
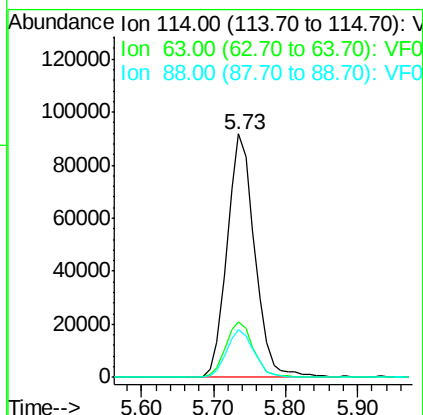
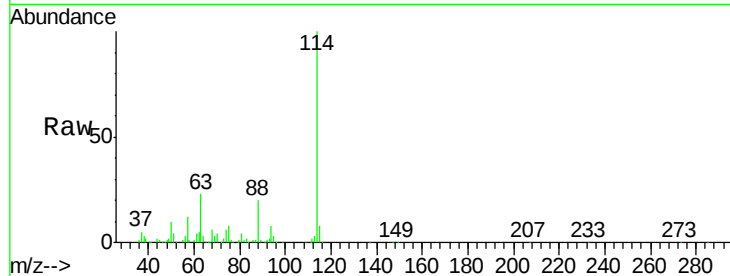




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.73 min Scan# 528
Delta R.T. -0.02 min
Lab File: VF059464.D
Acq: 6 Jul 2018 21:57

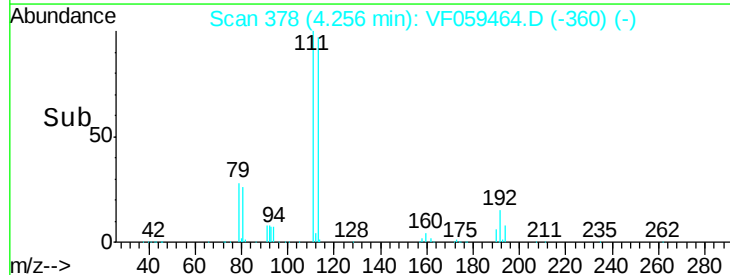
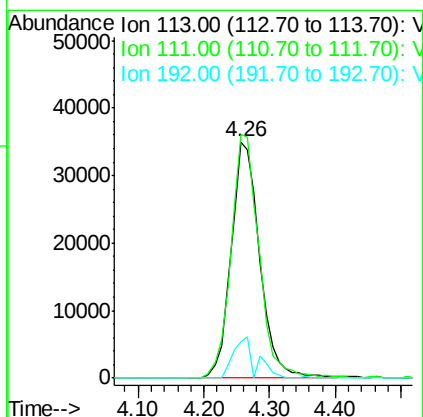
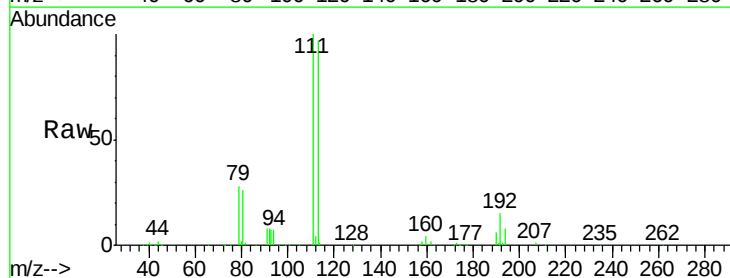
Instrument :
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S-10(6-6.5)

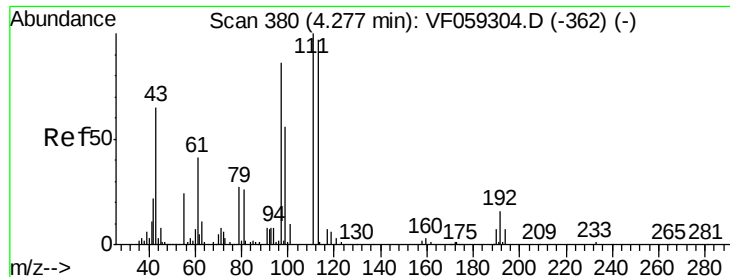
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.8
88	19.5	0.0	41.2



#35
Dibromofluoromethane
Concen: 59.672 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059464.D
Acq: 6 Jul 2018 21:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	15.1	13.0	19.6





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

S-10(6-6.5)

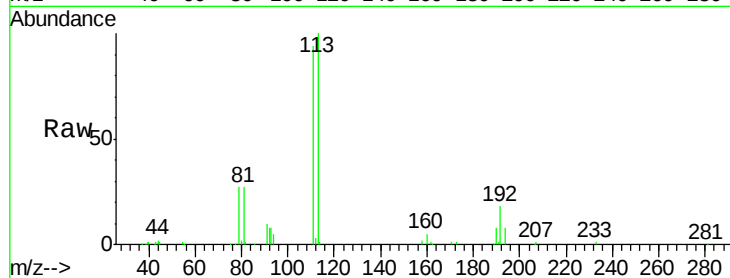
Tot Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

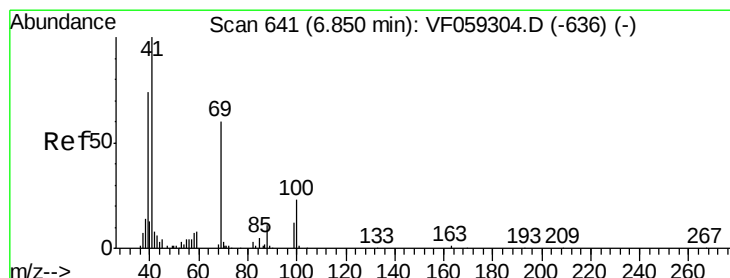
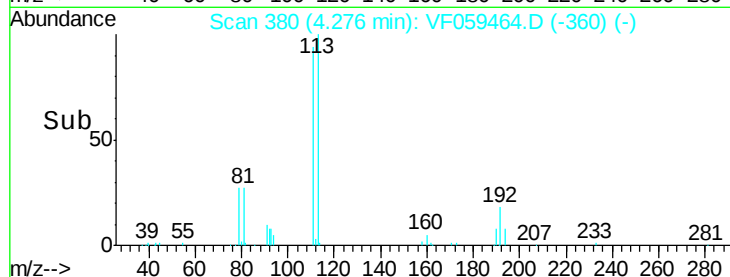
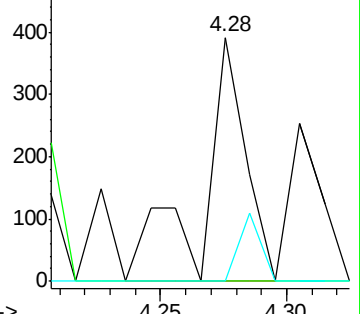
70 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.96 min Scan# 652

Delta R.T. 0.11 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

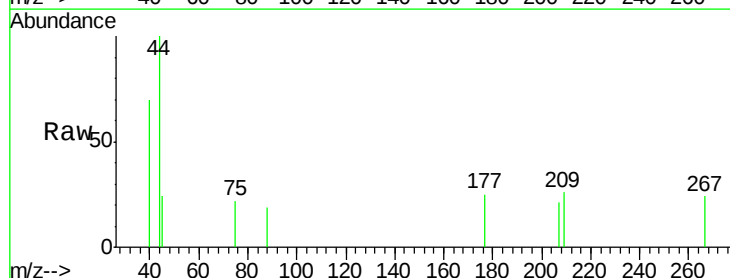
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

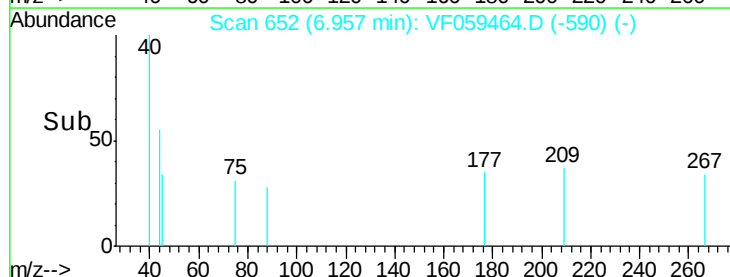
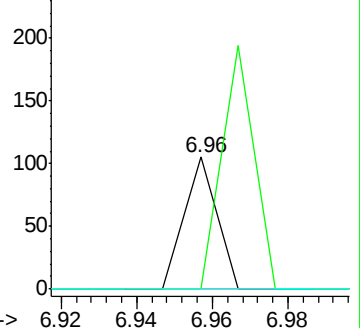
58 0.0 46.6 69.8#

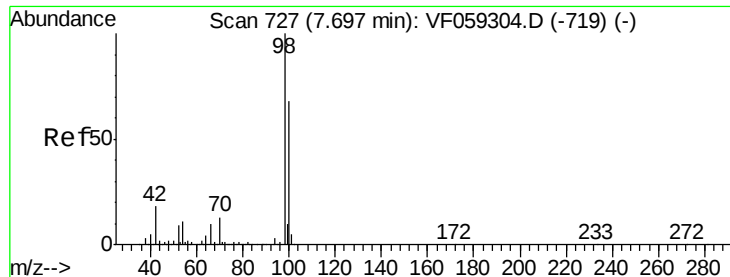


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 50.798 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059464.D

Acq: 6 Jul 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

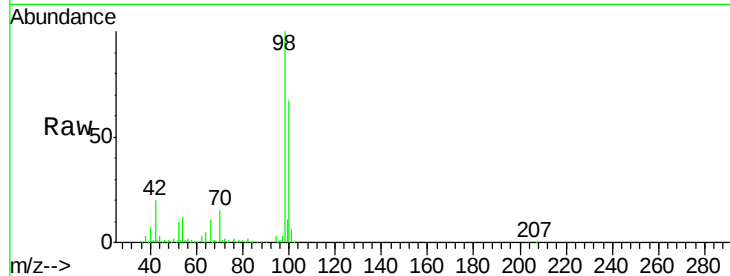
S-10(6-6.5)

Tot Ion: 98 Resp: 225320

Ion Ratio Lower Upper

98 100

100 66.8 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

100000

80000

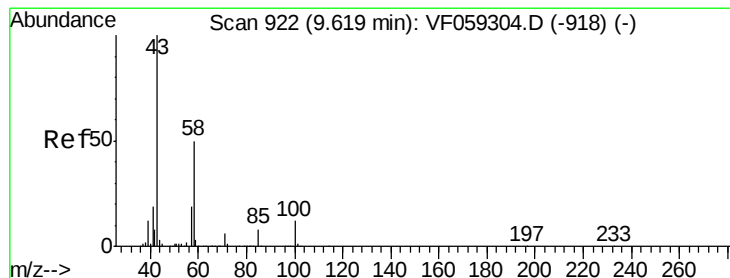
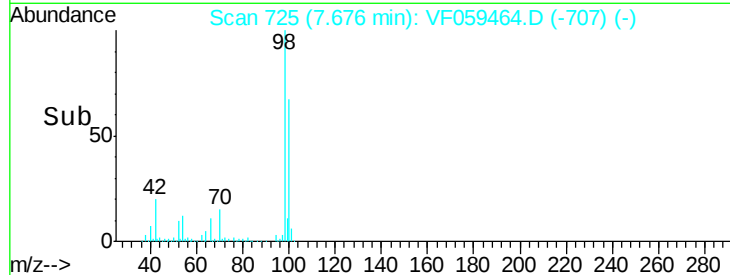
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: Below Cal

RT: 9.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: VF059464.D

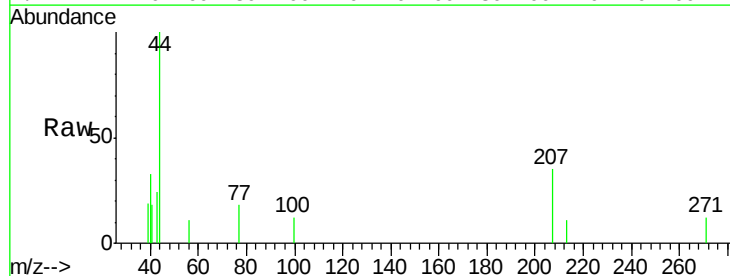
Acq: 6 Jul 2018 21:57

Tgt Ion: 43 Resp: 516

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

300

250

200

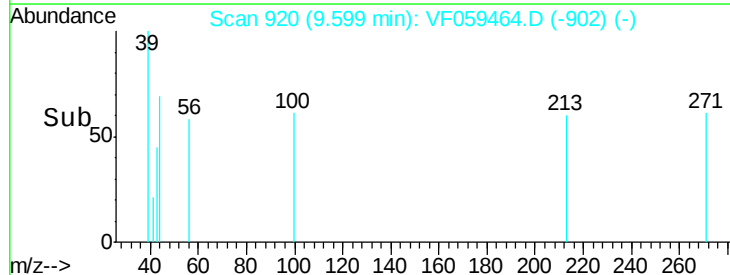
150

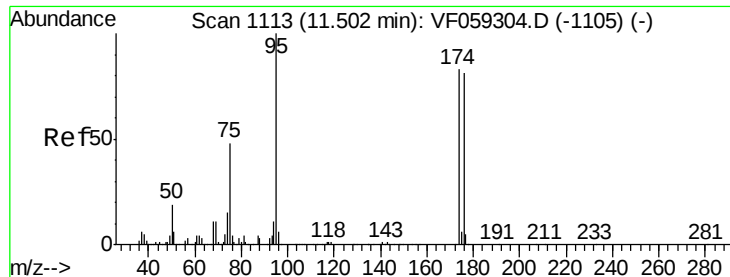
100

50

0

Time-->

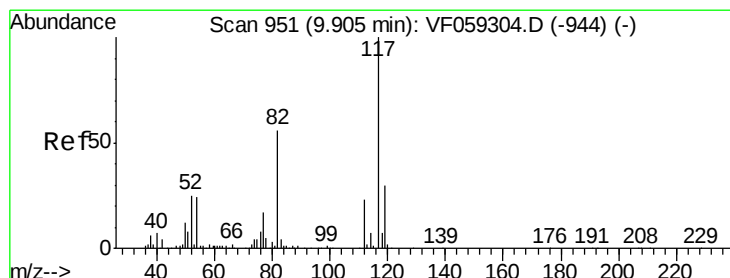
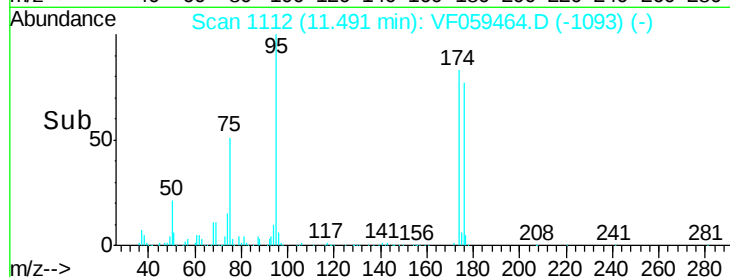
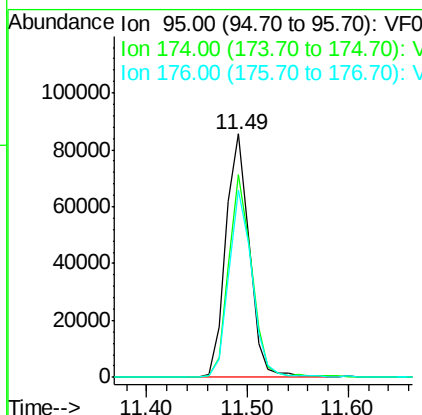
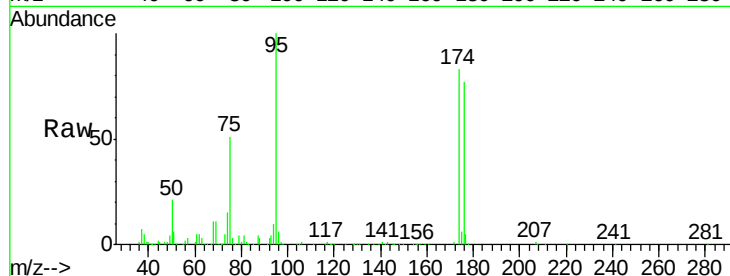




#62
4-Bromofluorobenzene
Concen: 55.776 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059464.D
Acq: 6 Jul 2018 21:57

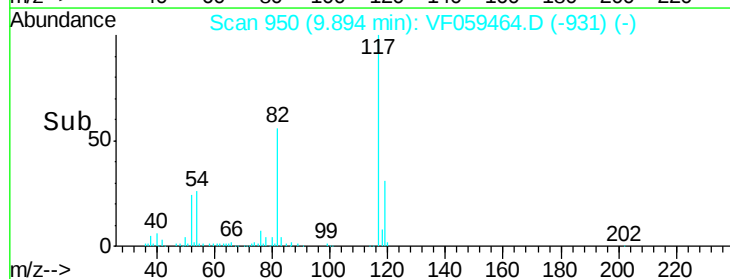
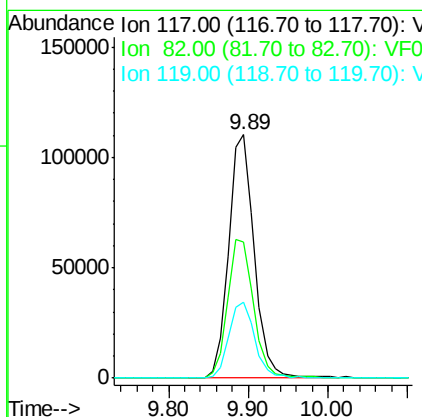
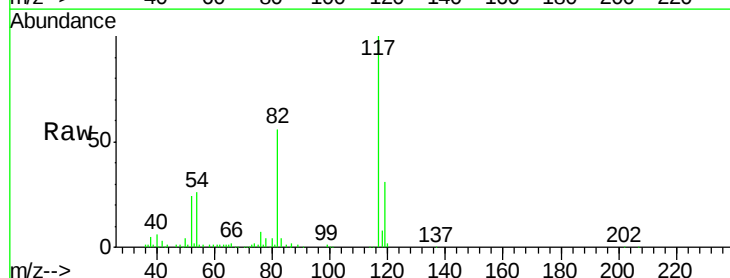
Instrument :
MSVOA_F
ClientSampled :
S-10(6-6.5)

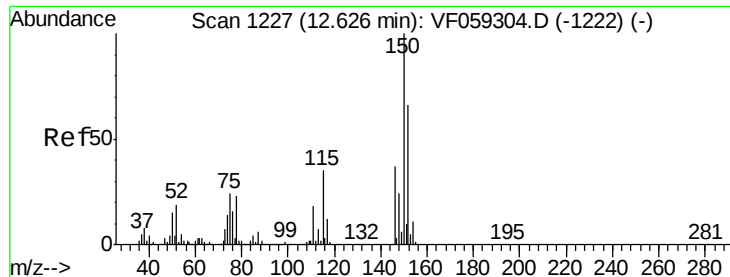
Tot Ion	95	Resp	139555
Ion Ratio	Lower	Upper	
95	100		
174	83.3	0.0	165.2
176	76.9	0.0	161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059464.D
Acq: 6 Jul 2018 21:57

Tgt Ion	117	Resp	248387
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.6	66.8
119	31.0	24.1	36.1

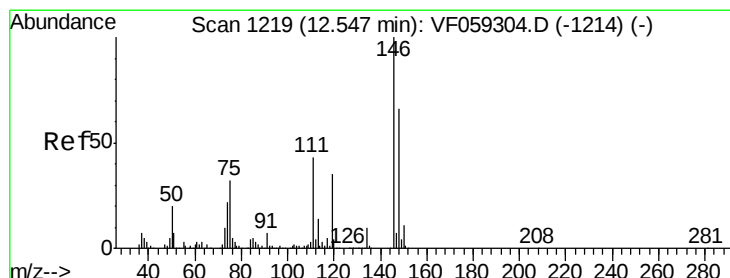
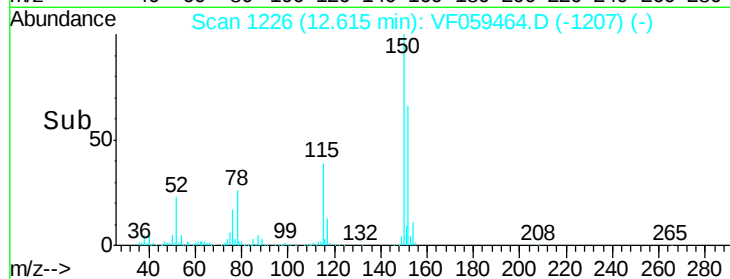
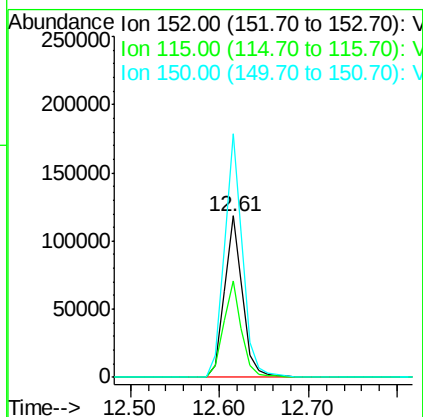
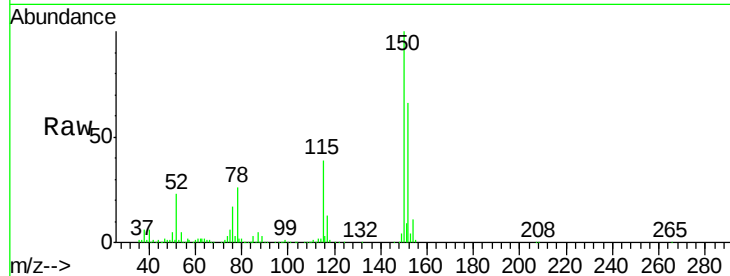




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF059464.D
 Acq: 6 Jul 2018 21:57

Instrument :
 MSVOA_F
 ClientSampleId :
 S-10(6-6.5)

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	27.1	81.3
150	151.1	0.0	305.2



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059464.D
 Acq: 6 Jul 2018 21:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	21.4	64.2
148	0.0	32.8	98.4#

