

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050919\
 Data File : VF062397.D
 Acq On : 9 May 2019 15:54
 Operator : FY/SY
 Sample : K2673-07
 Misc : 5.01g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-14-1.0-1.5

Quant Time: May 10 01:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	66067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	57721	50.00	ug/l	-0.02
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.90
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.61

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	8365	13.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.80%	
35) Dibromofluoromethane	4.29	113	17028	37.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	74.06%	
50) Toluene-d8	7.70	98	50497	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

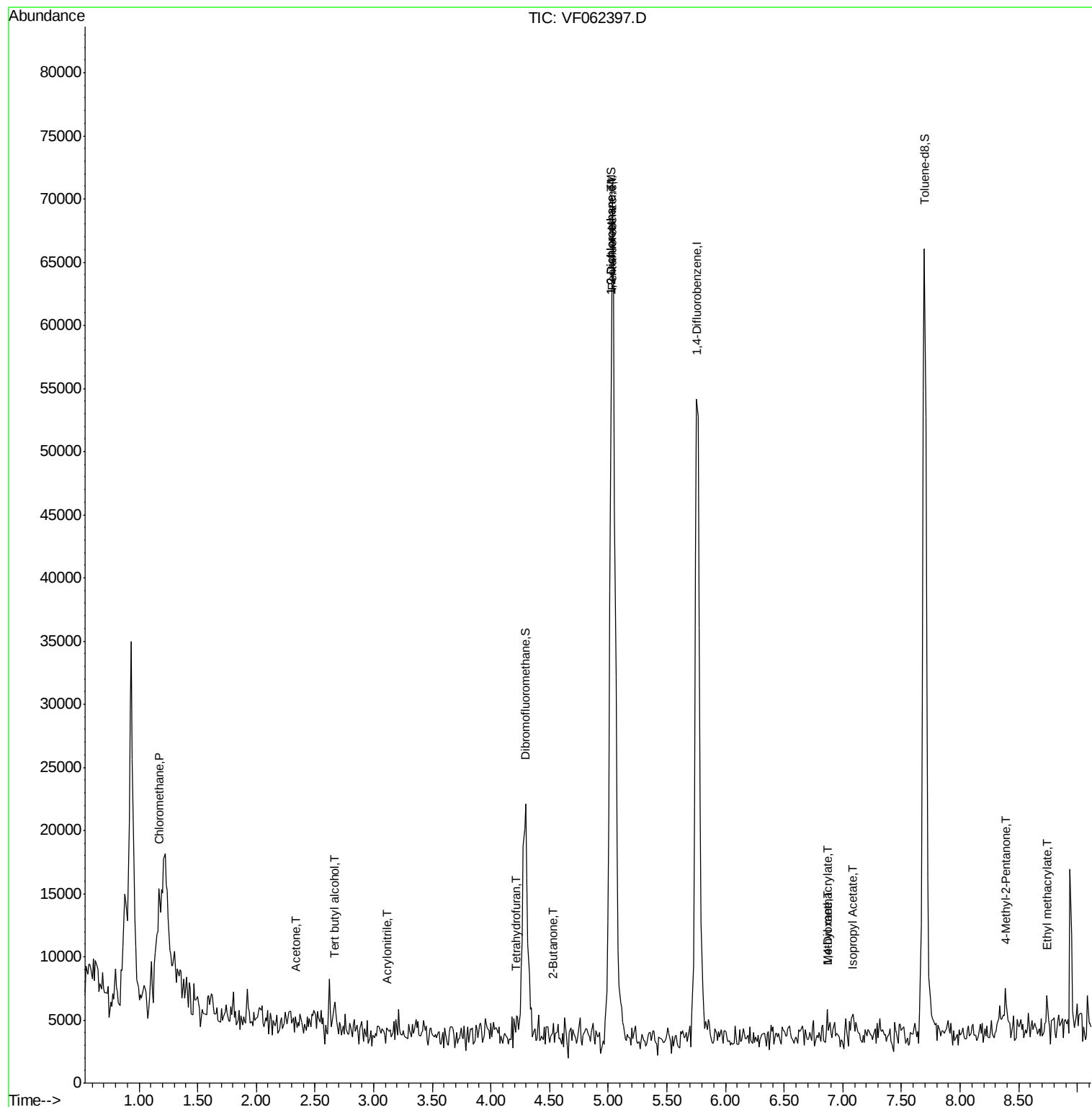
					Qvalue	
3) Chloromethane	1.16	50	608	1.206	ug/l	91
5) Bromomethane	1.38	94	531	Below Cal	#	3
11) Tert butyl alcohol	2.66	59	410	11.619	ug/l #	84
13) Acrolein	2.16	56	143	Below Cal	#	70
15) Acrylonitrile	3.11	53	262	3.920	ug/l #	31
16) Acetone	2.34	43	374	2.961	ug/l #	62
18) Methyl Acetate	2.45	43	258	Below Cal	#	58
25) 2-Butanone	4.52	43	1211	7.632	ug/l #	60
29) Tetrahydrofuran	4.21	42	223	3.058	ug/l #	72
37) Ethyl Acetate	4.30	43	452	Below Cal	#	73
38) Carbon Tetrachloride	4.22	117	116	Below Cal	#	14
42) 1,2-Dichloroethane	5.02	62	463	1.014	ug/l #	1
43) Isopropyl Acetate	7.08	43	898	3.982	ug/l #	48
48) Methyl methacrylate	6.86	41	462	2.899	ug/l #	83
49) 1,4-Dioxane	6.87	88	125	64.025	ug/l #	4
51) 4-Methyl-2-Pentanone	8.39	43	3065	17.935	ug/l	90
56) Ethyl methacrylate	8.74	69	989	4.382	ug/l #	7

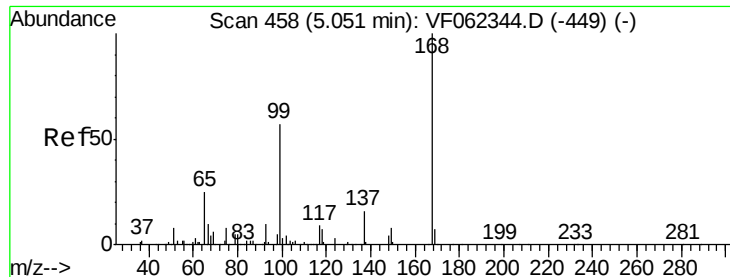
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050919\
Data File : VF062397.D
Acq On : 9 May 2019 15:54
Operator : FY/SY
Sample : K2673-07
Misc : 5.01g/5mL/MSVOA F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-14-1.0-1.5

Quant Time: May 10 01:52:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

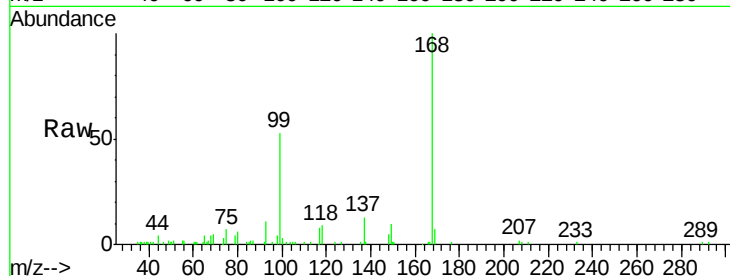
SB-14-1.0-1.5

Tot Ion:168 Resp: 66067

Ion Ratio Lower Upper

168 100

99 53.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

25000

20000

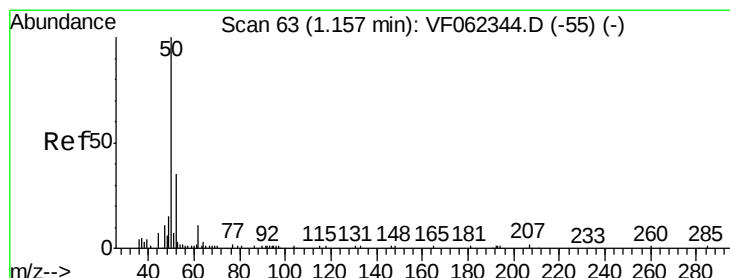
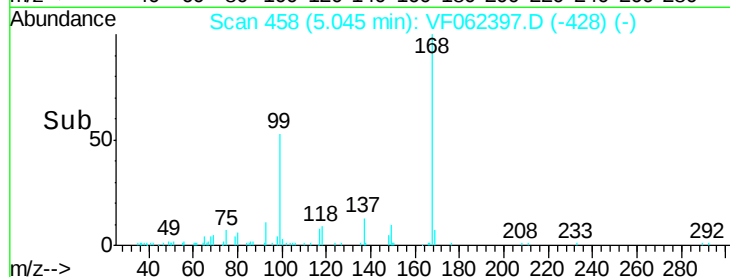
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 1.206 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062397.D

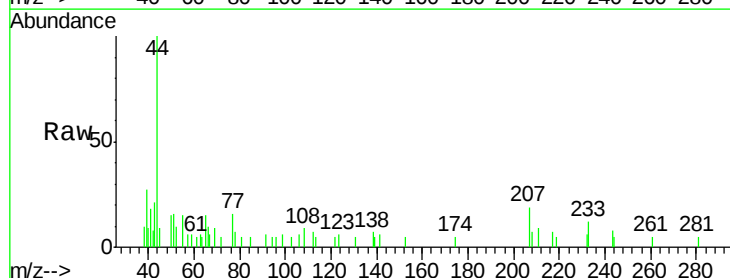
Acq: 9 May 2019 15:54

Tgt Ion: 50 Resp: 608

Ion Ratio Lower Upper

50 100

52 37.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.16

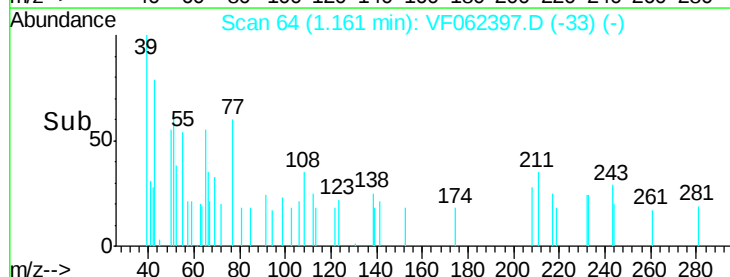
300

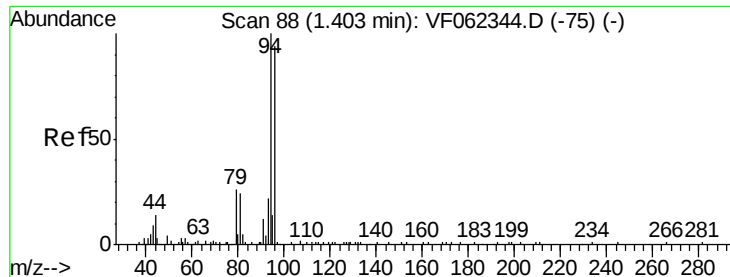
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.38 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

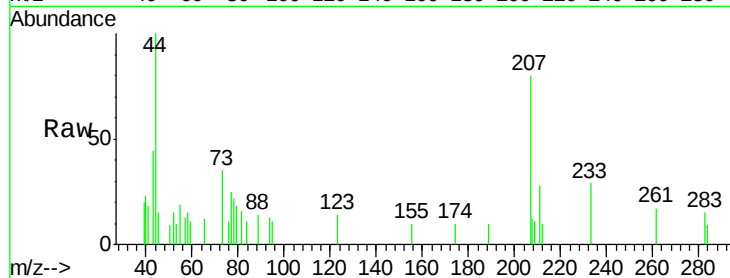
SB-14-1.0-1.5

Tot Ion: 94 Resp: 531

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.38

250

200

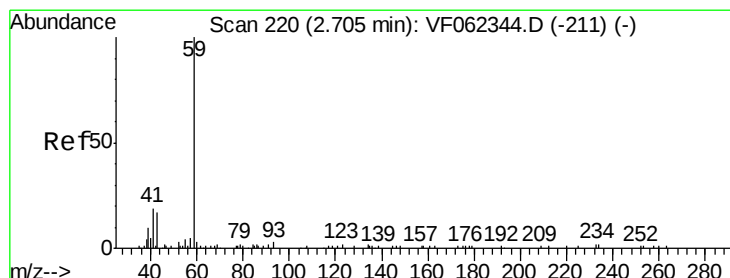
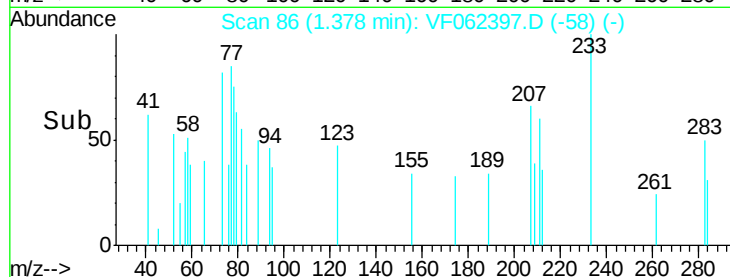
150

100

50

0

Time-->



#11

Tert butyl alcohol

Concen: 11.619 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.05 min

Lab File: VF062397.D

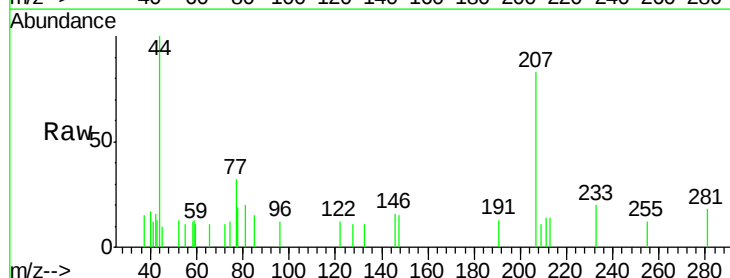
Acq: 9 May 2019 15:54

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

59 100

57 17.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

250

200

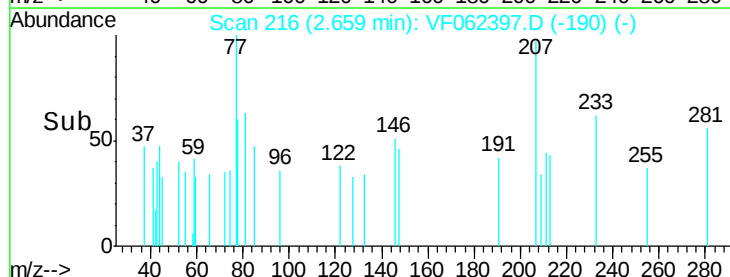
150

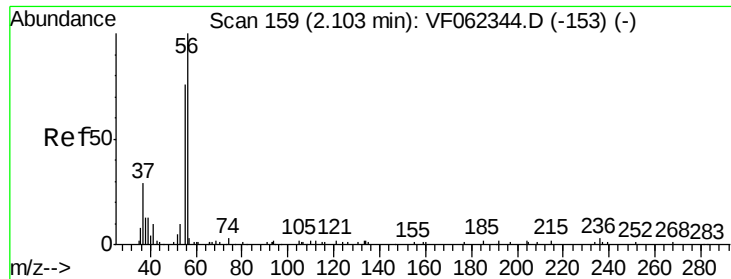
100

50

0

Time-->

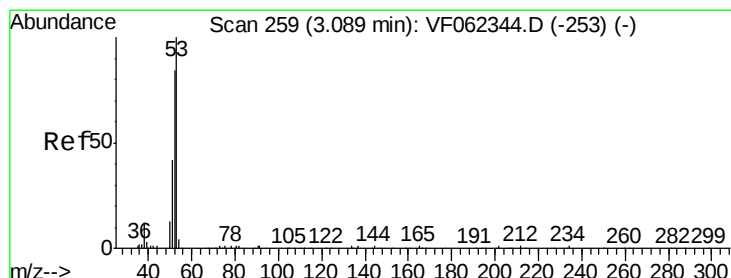
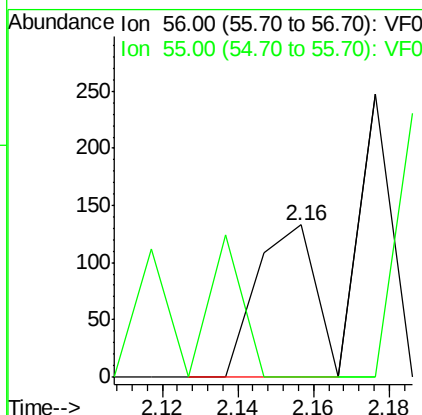
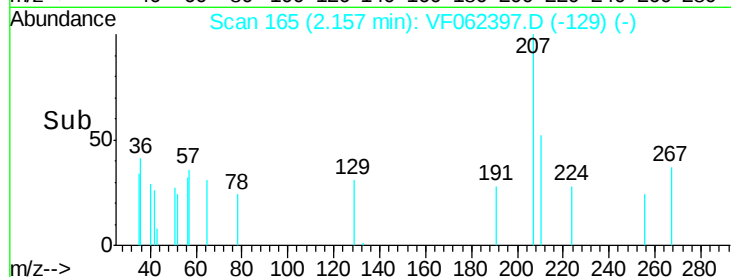
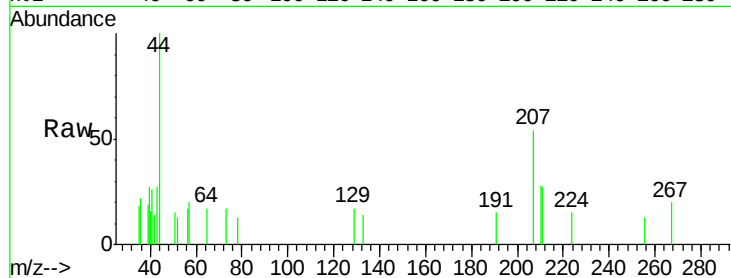




#13
Acrolein
Concen: Below Cal
RT: 2.16 min Scan# 165
Delta R.T. 0.05 min
Lab File: VF062397.D
Acq: 9 May 2019 15:54

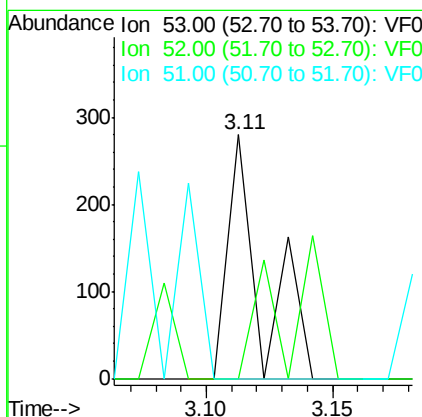
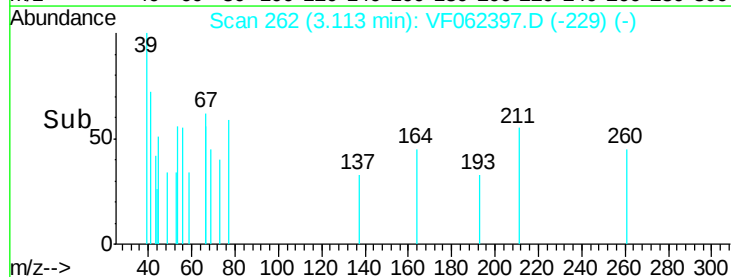
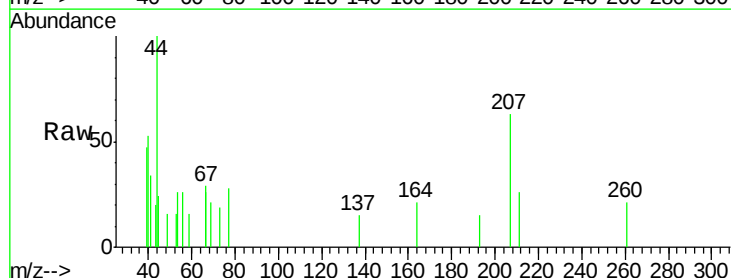
Instrument :
MSVOA_F
ClientSampled :
SB-14-1.0-1.5

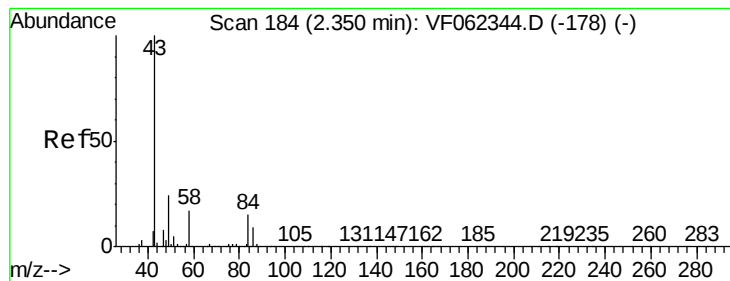
Tot Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 97.9 58.4 87.6#



#15
Acrylonitrile
Concen: 3.920 ug/l
RT: 3.11 min Scan# 262
Delta R.T. 0.02 min
Lab File: VF062397.D
Acq: 9 May 2019 15:54

Tgt Ion: 53 Resp: 262
Ion Ratio Lower Upper
53 100
52 30.9 77.2 115.8#
51 0.0 40.6 61.0#





#16

Acetone

Concen: 2.961 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

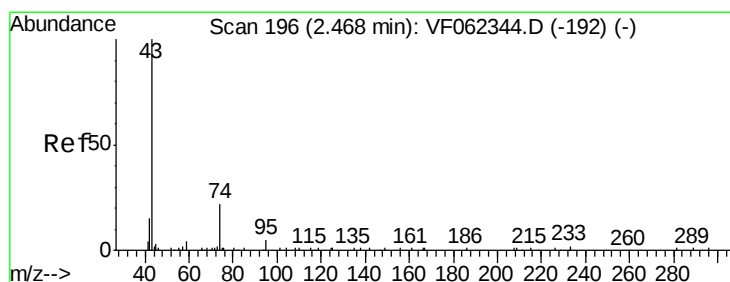
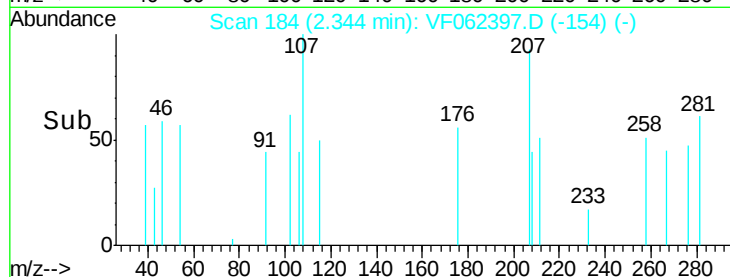
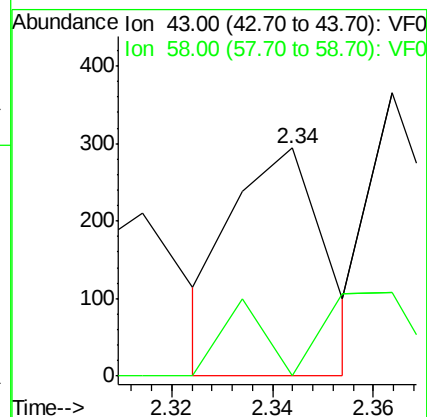
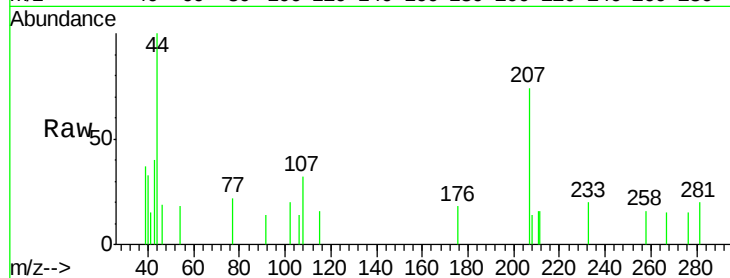
SB-14-1.0-1.5

Tot Ion: 43 Resp: 374

Ion Ratio Lower Upper

43 100

58 0.0 13.1 19.7#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.45 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062397.D

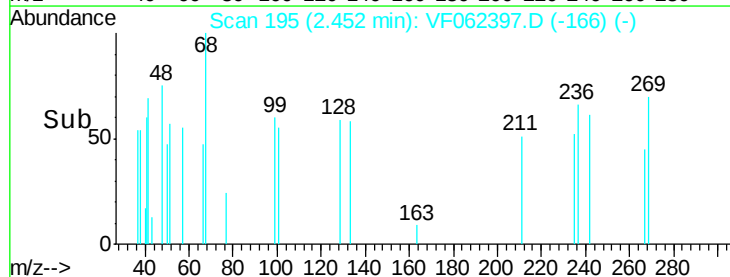
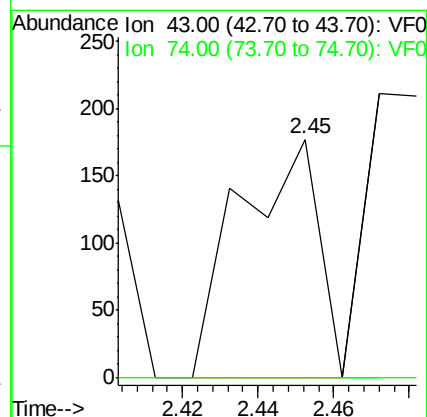
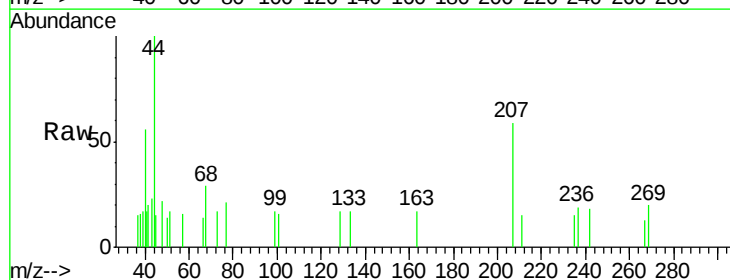
Acq: 9 May 2019 15:54

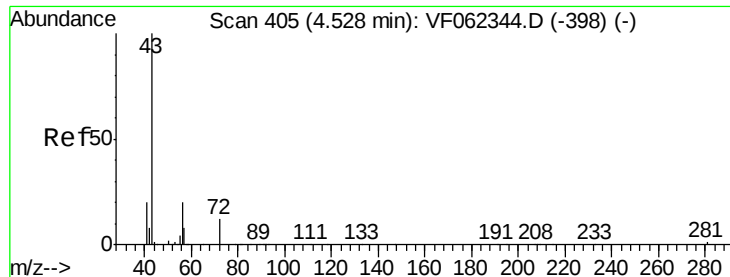
Tgt Ion: 43 Resp: 258

Ion Ratio Lower Upper

43 100

74 0.0 15.0 22.4#





#25

2-Butanone

Concen: 7.632 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

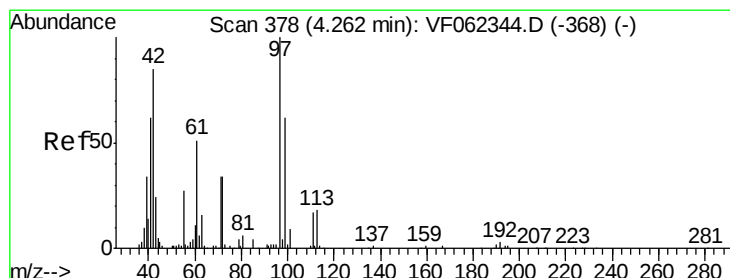
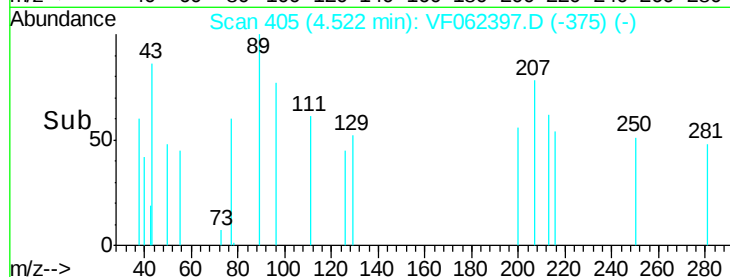
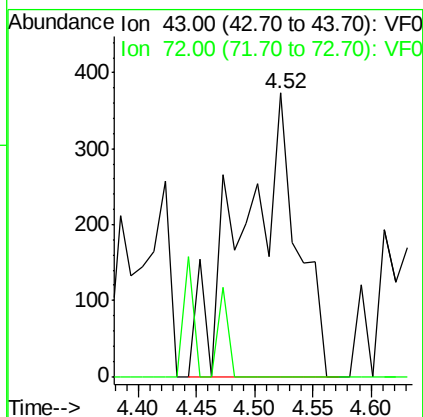
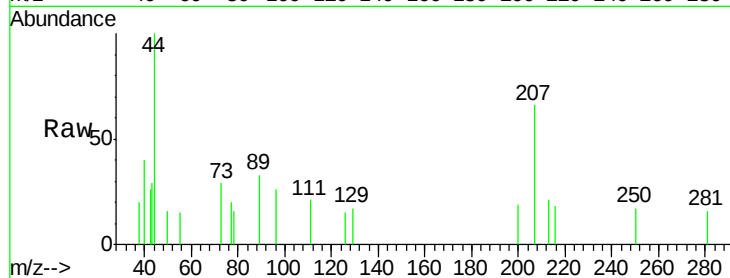
SB-14-1.0-1.5

Tot Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#29

Tetrahydrofuran

Concen: 3.058 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.06 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

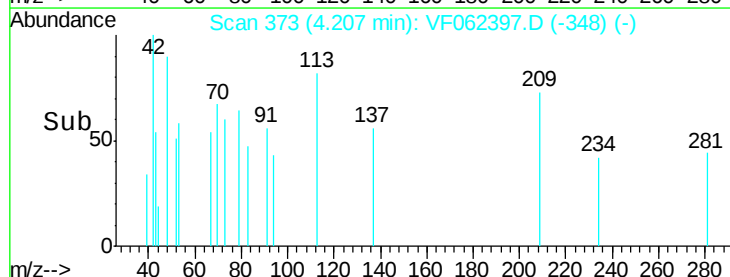
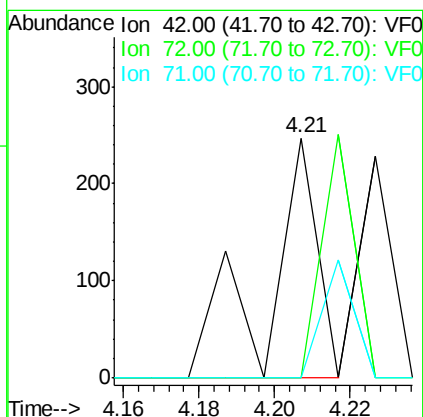
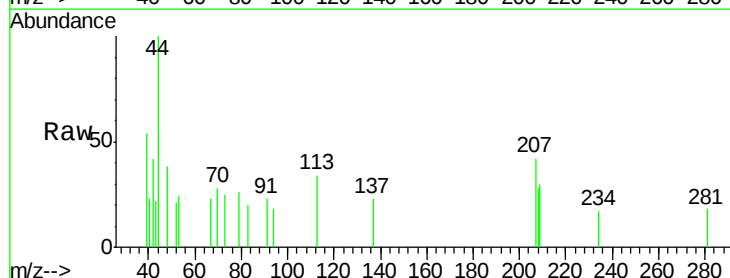
Tgt Ion: 42 Resp: 223

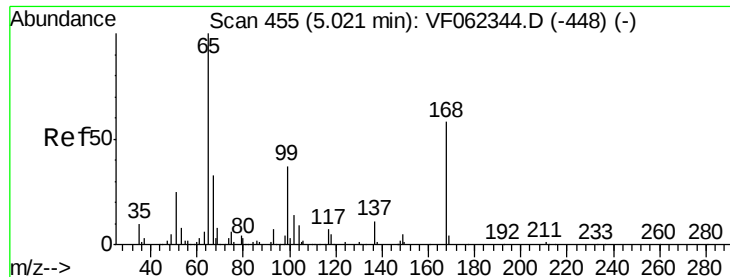
Ion Ratio Lower Upper

42 100

72 66.4 31.4 47.0#

71 32.3 31.7 47.5





#33

1,2-Dichloroethane-d4

Concen: 13.398 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

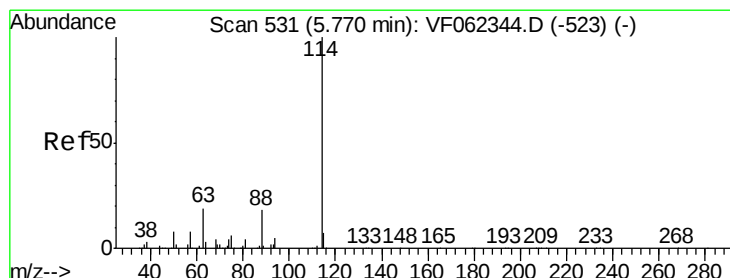
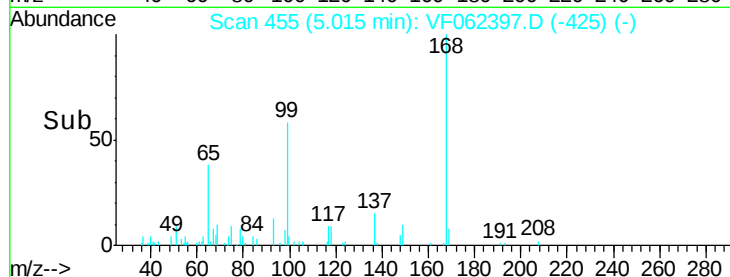
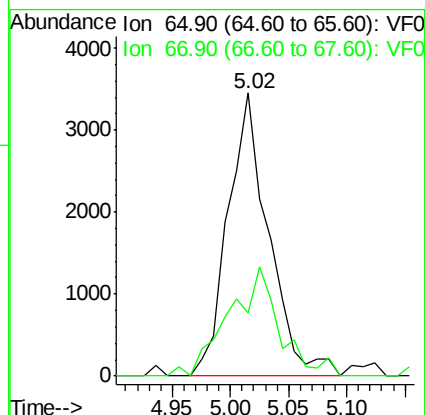
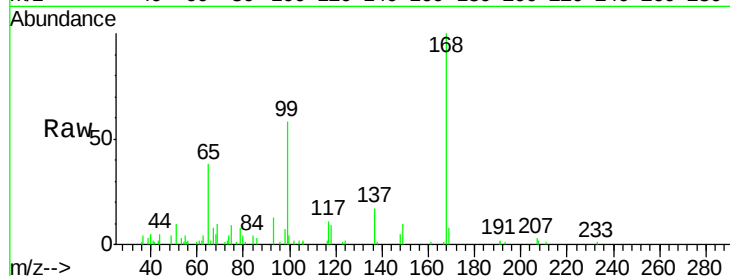
SB-14-1.0-1.5

Tot Ion: 65 Resp: 8365

Ion Ratio Lower Upper

65 100

67 47.9 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

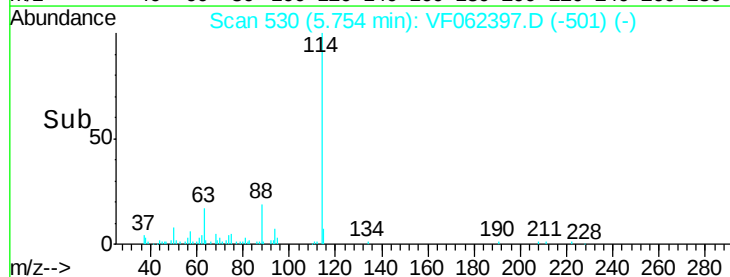
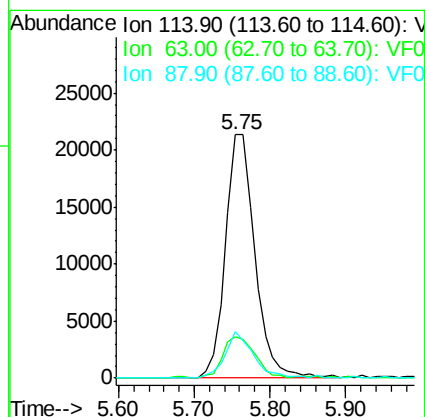
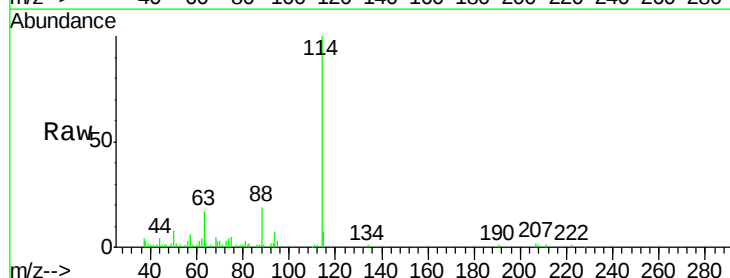
Tgt Ion: 114 Resp: 57721

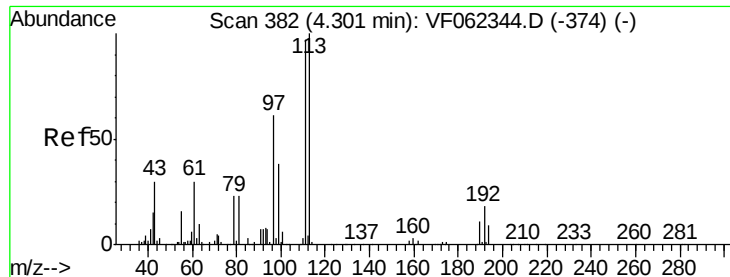
Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.4

88 19.3 0.0 36.4

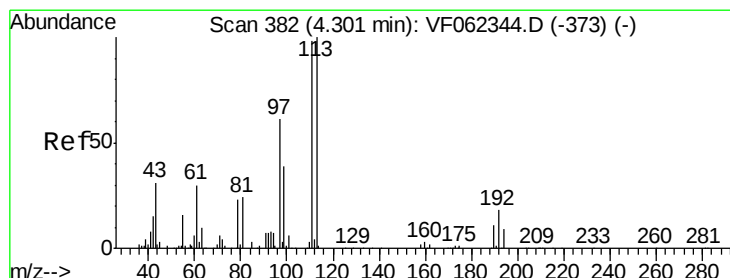
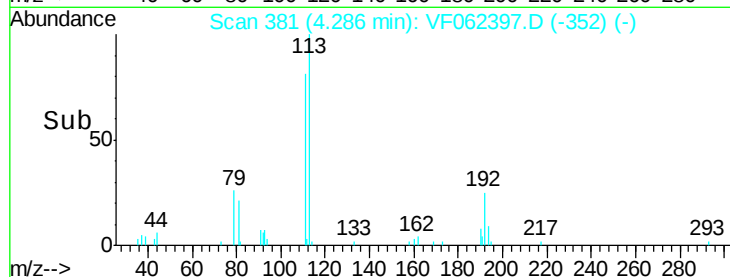
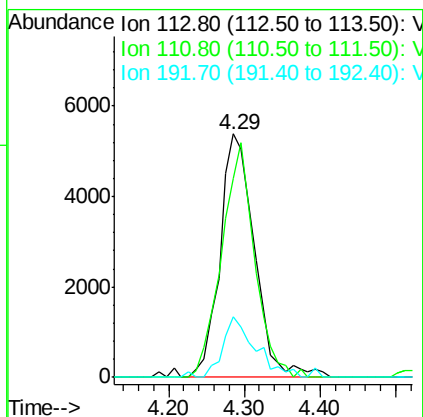
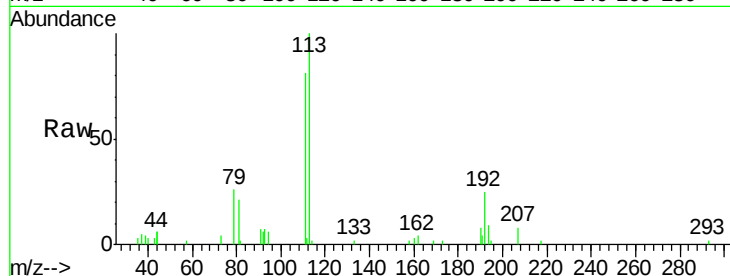




#35
Dibromofluoromethane
Concen: 37.029 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062397.D
Acq: 9 May 2019 15:54

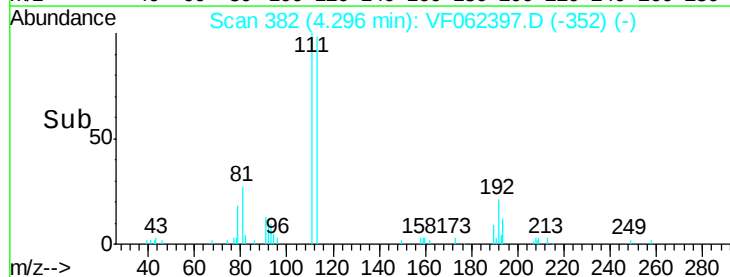
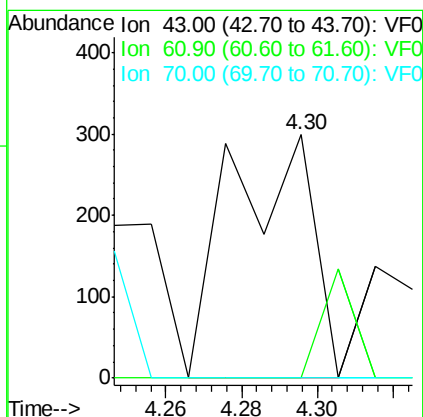
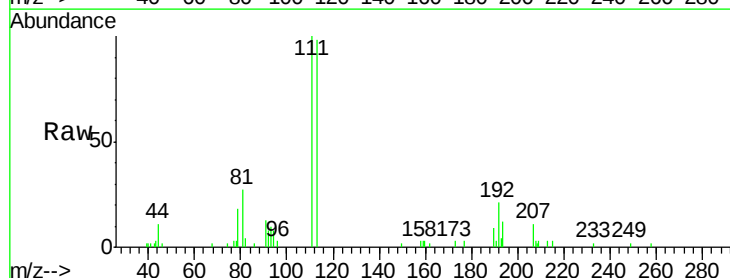
Instrument :
MSVOA_F
ClientSampleId :
SB-14-1.0-1.5

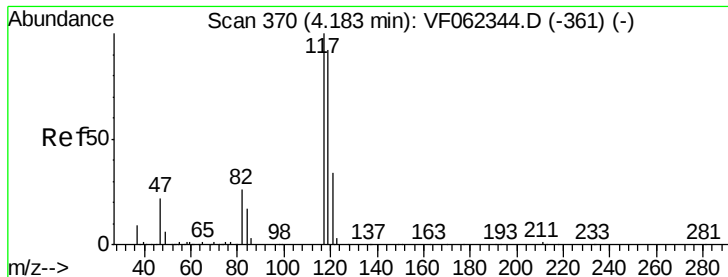
Tot Ion:113 Resp: 17028
Ion Ratio Lower Upper
113 100
111 91.9 79.4 119.0
192 23.2 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062397.D
Acq: 9 May 2019 15:54

Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
61 17.5 0.0 0.0#
70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.22 min Scan# 374

Delta R.T. 0.03 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

SB-14-1.0-1.5

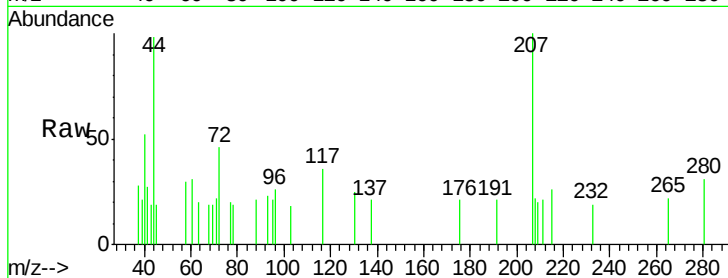
Tot Ion:117 Resp: 116

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

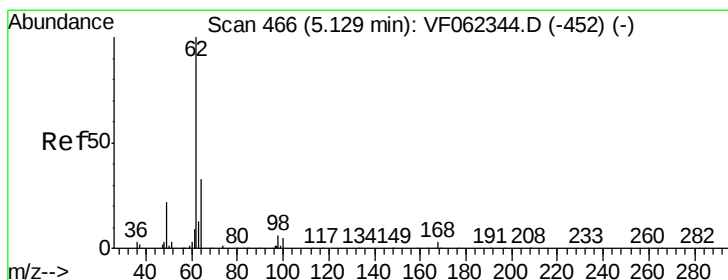
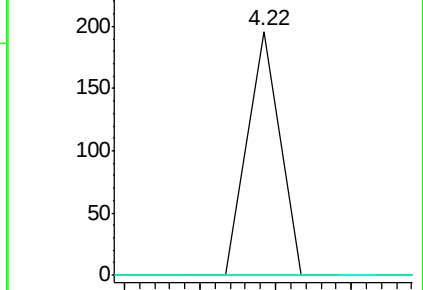
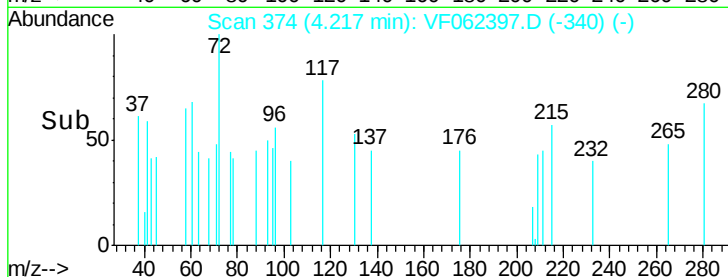
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 1.014 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.11 min

Lab File: VF062397.D

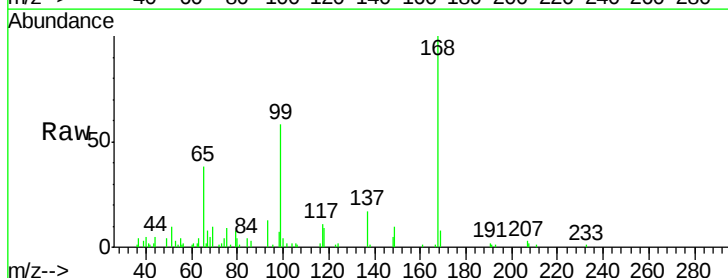
Acq: 9 May 2019 15:54

Tgt Ion: 62 Resp: 463

Ion Ratio Lower Upper

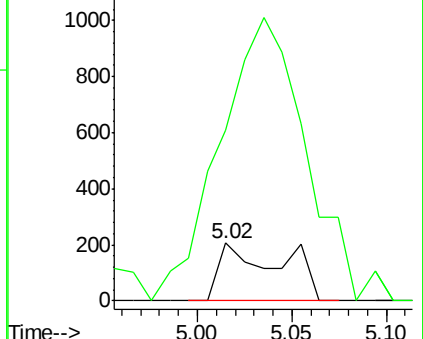
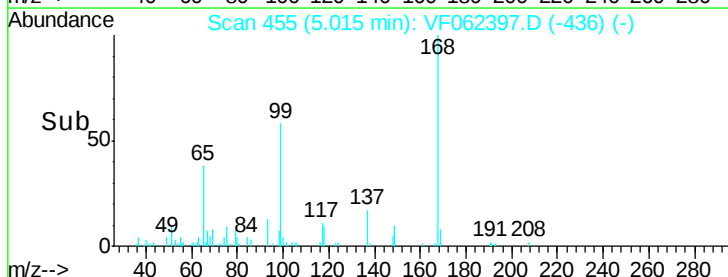
62 100

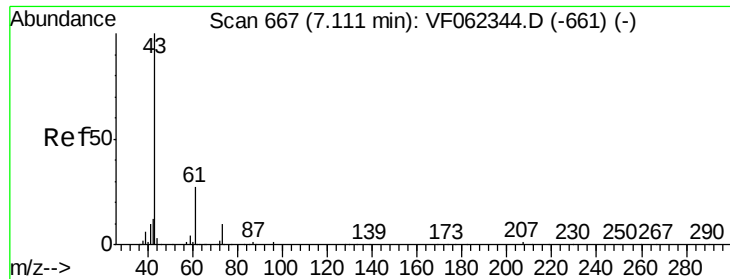
98 692.4 0.0 12.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 3.982 ug/l

RT: 7.08 min Scan# 664

Delta R.T. -0.04 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

SB-14-1.0-1.5

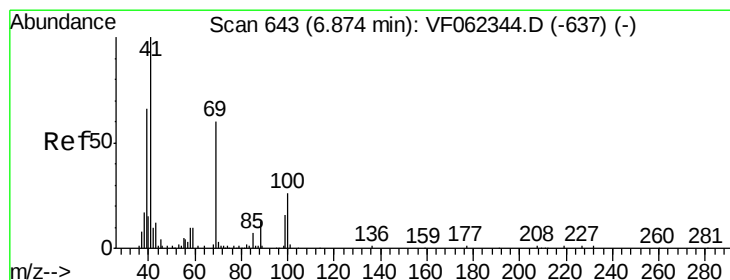
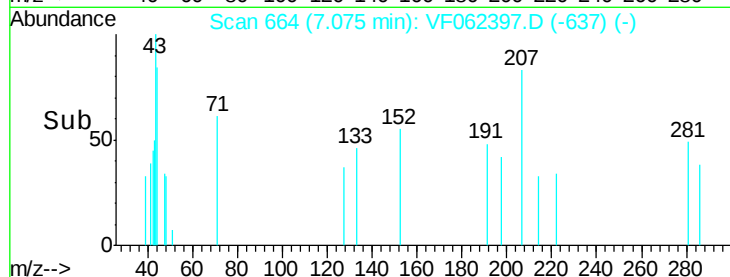
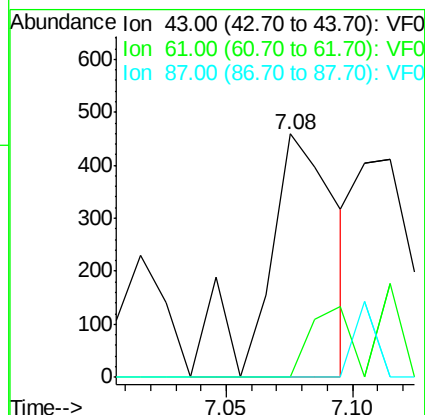
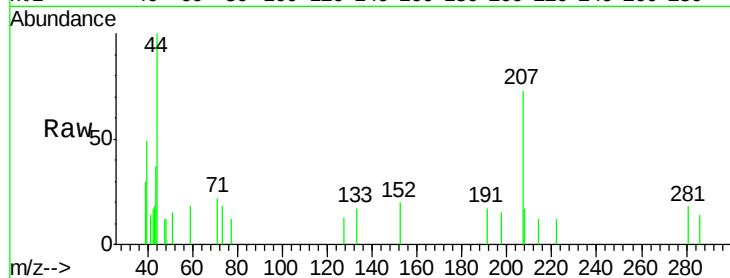
Tot Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 0.6 1.0#



#48

Methyl methacrylate

Concen: 2.899 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

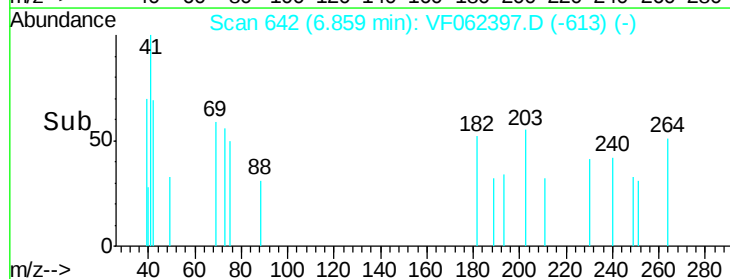
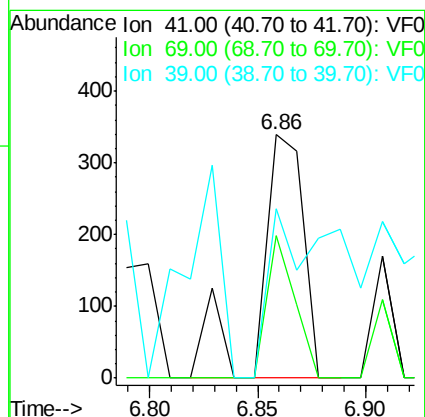
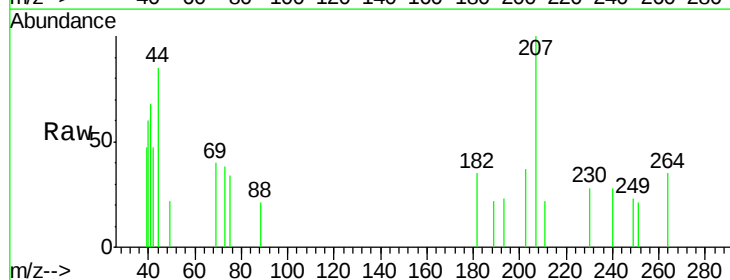
Tgt Ion: 41 Resp: 462

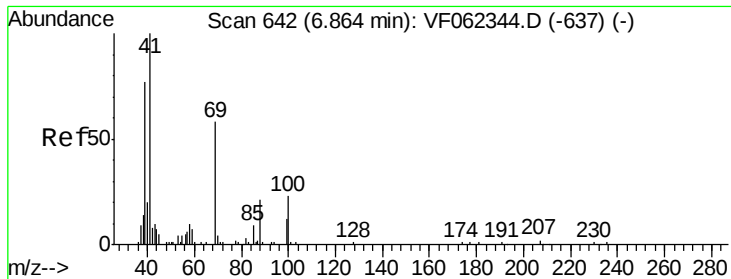
Ion Ratio Lower Upper

41 100

69 38.5 48.6 72.8#

39 74.7 56.1 84.1

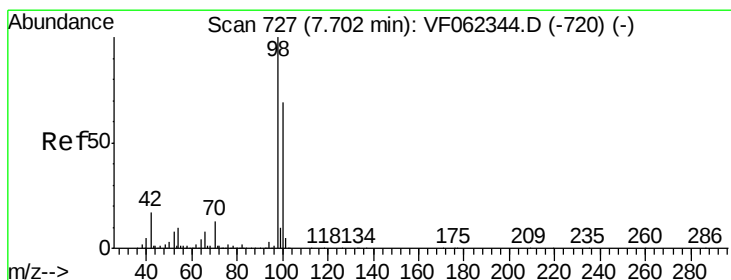
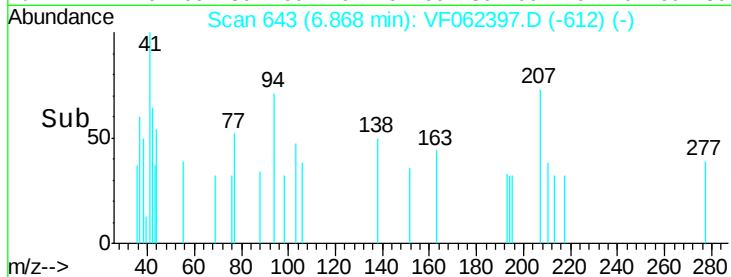
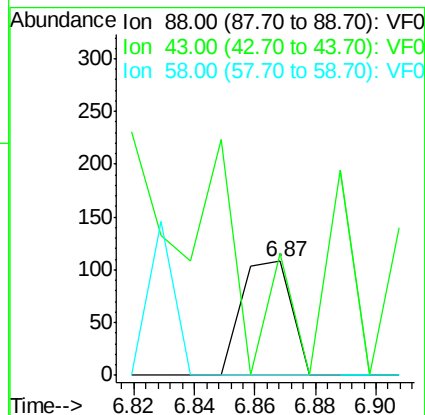
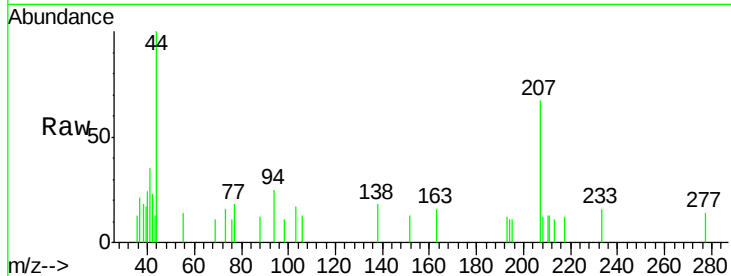




#49
1,4-Dioxane
Concen: 64.025 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062397.D
Acq: 9 May 2019 15:54

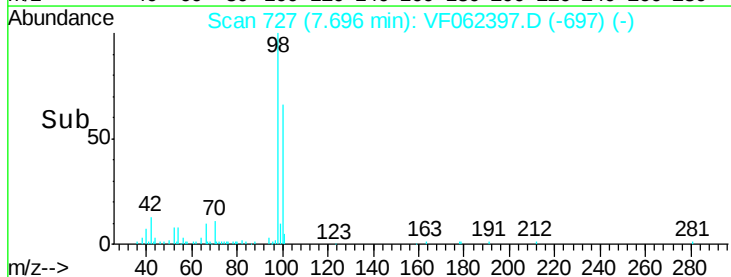
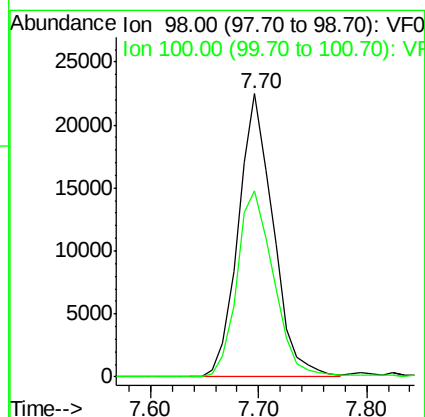
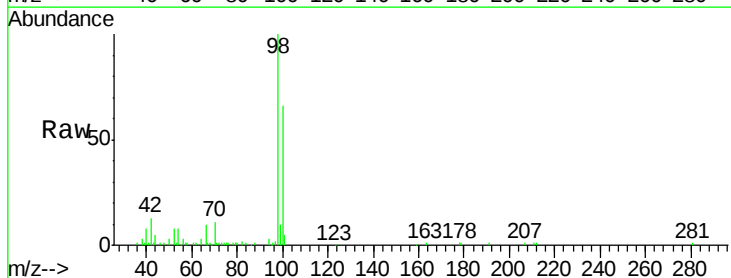
Instrument :
MSVOA_F
ClientSampleId :
SB-14-1.0-1.5

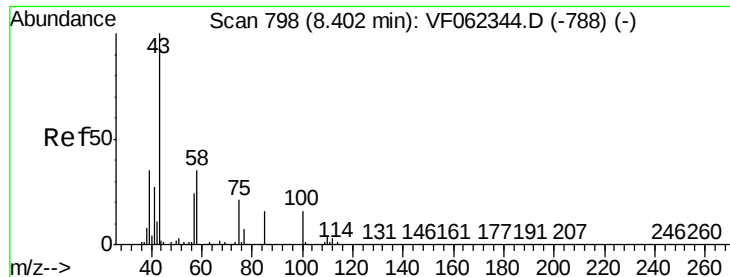
Tot Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 158.4 55.6 83.4#
58 0.0 52.8 79.2#



#50
Toluene-d8
Concen: 45.364 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062397.D
Acq: 9 May 2019 15:54

Tgt Ion: 98 Resp: 50497
Ion Ratio Lower Upper
98 100
100 69.7 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 17.935 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

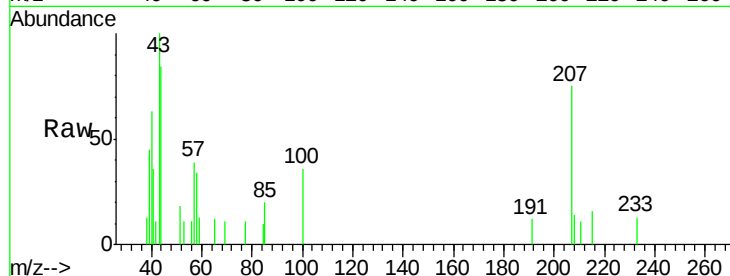
SB-14-1.0-1.5

Tot Ion: 43 Resp: 3065

Ion Ratio Lower Upper

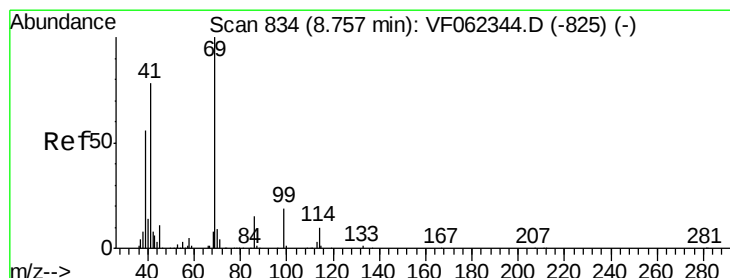
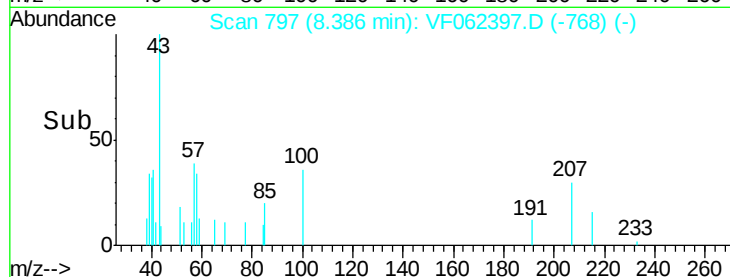
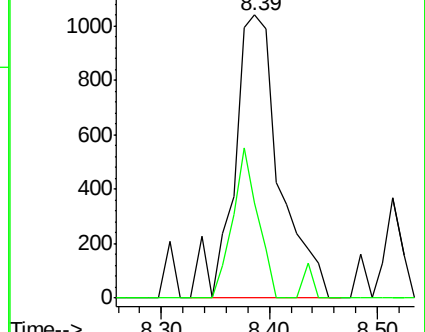
43 100

58 29.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 4.382 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062397.D

Acq: 9 May 2019 15:54

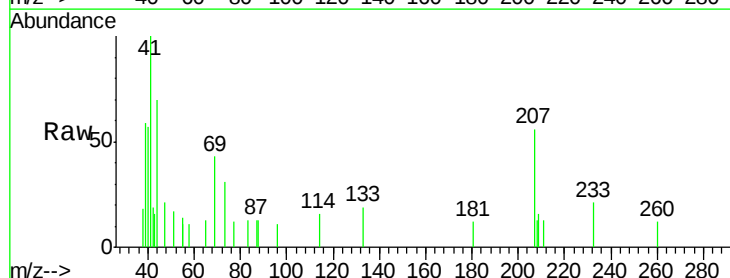
Tgt Ion: 69 Resp: 989

Ion Ratio Lower Upper

69 100

41 155.8 66.3 99.5#

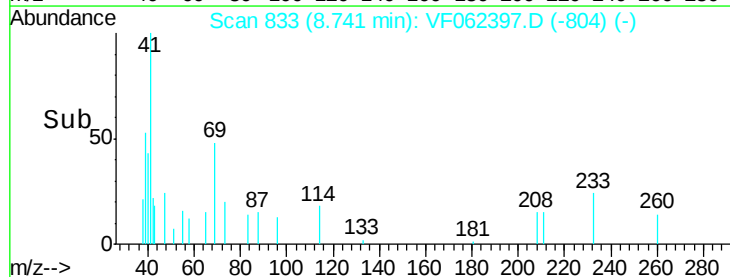
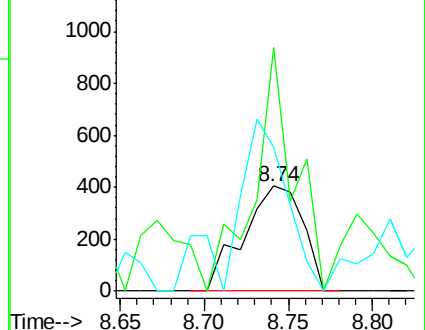
39 146.8 50.1 75.1#

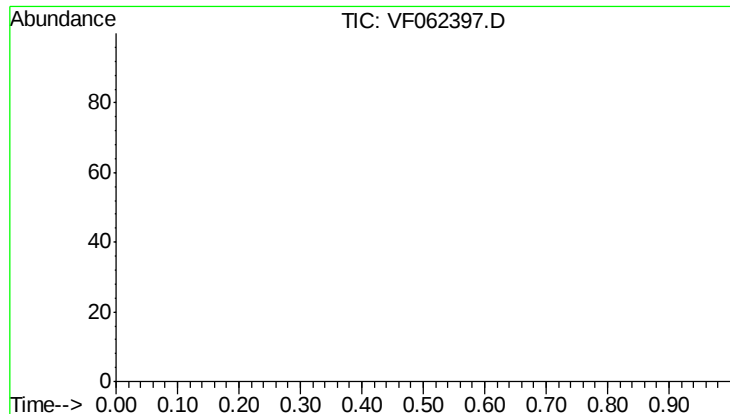


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

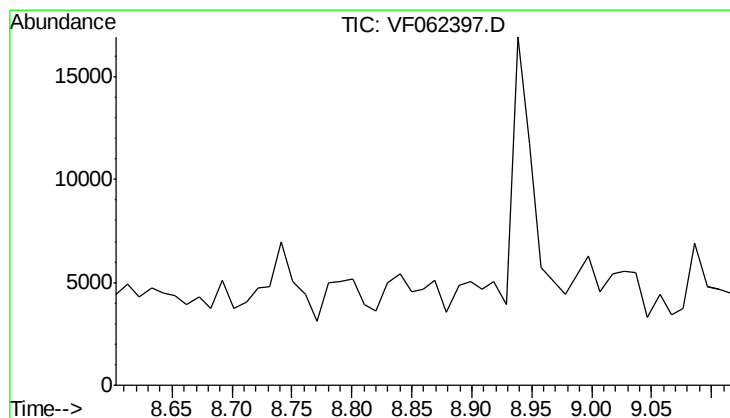
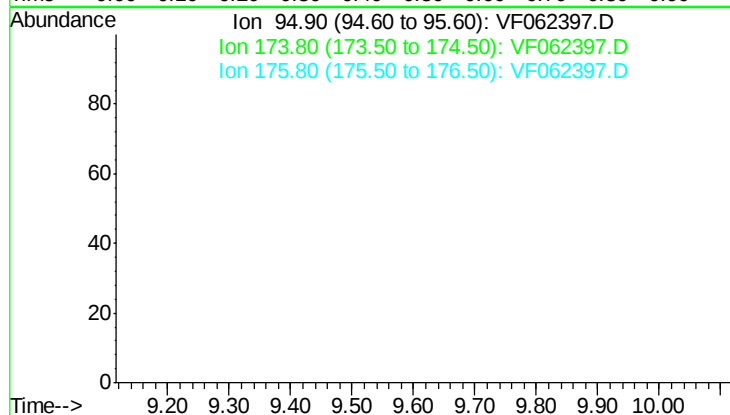




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.49 min
 Lab File: VF062397.D
 Acq: 9 May 2019 15:54

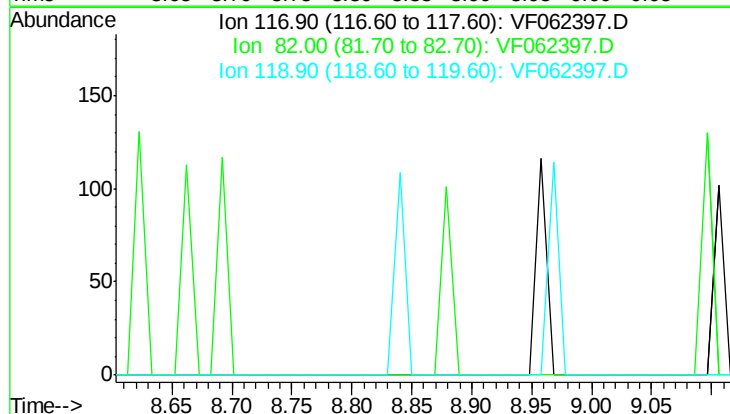
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-14-1.0-1.5

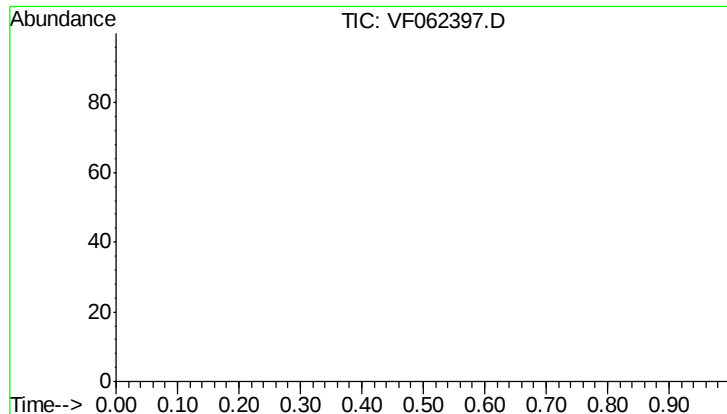
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 95.9
 176 96.6



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.90 min
 Lab File: VF062397.D
 Acq: 9 May 2019 15:54

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 52.7
 119 31.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.61 min
 Lab File: VF062397.D
 Acq: 9 May 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-14-1.0-1.5

Tot Ion	152
Sig	Exp Ratio
152	100
115	52.8
150	167.5

