

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059880.D
 Acq On : 4 Aug 2018 12:33
 Operator : VA/AP
 Sample : J4333-13
 Misc : 5.55a/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 06 02:18:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	88582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	116633	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	92663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	30705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	82886	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.80%		
35) Dibromofluoromethane	4.30	113	68090	58.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	117.36%		
50) Toluene-d8	7.71	98	99115	40.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	80.28%		
62) 4-Bromofluorobenzene	11.51	95	32583	23.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	46.96%		

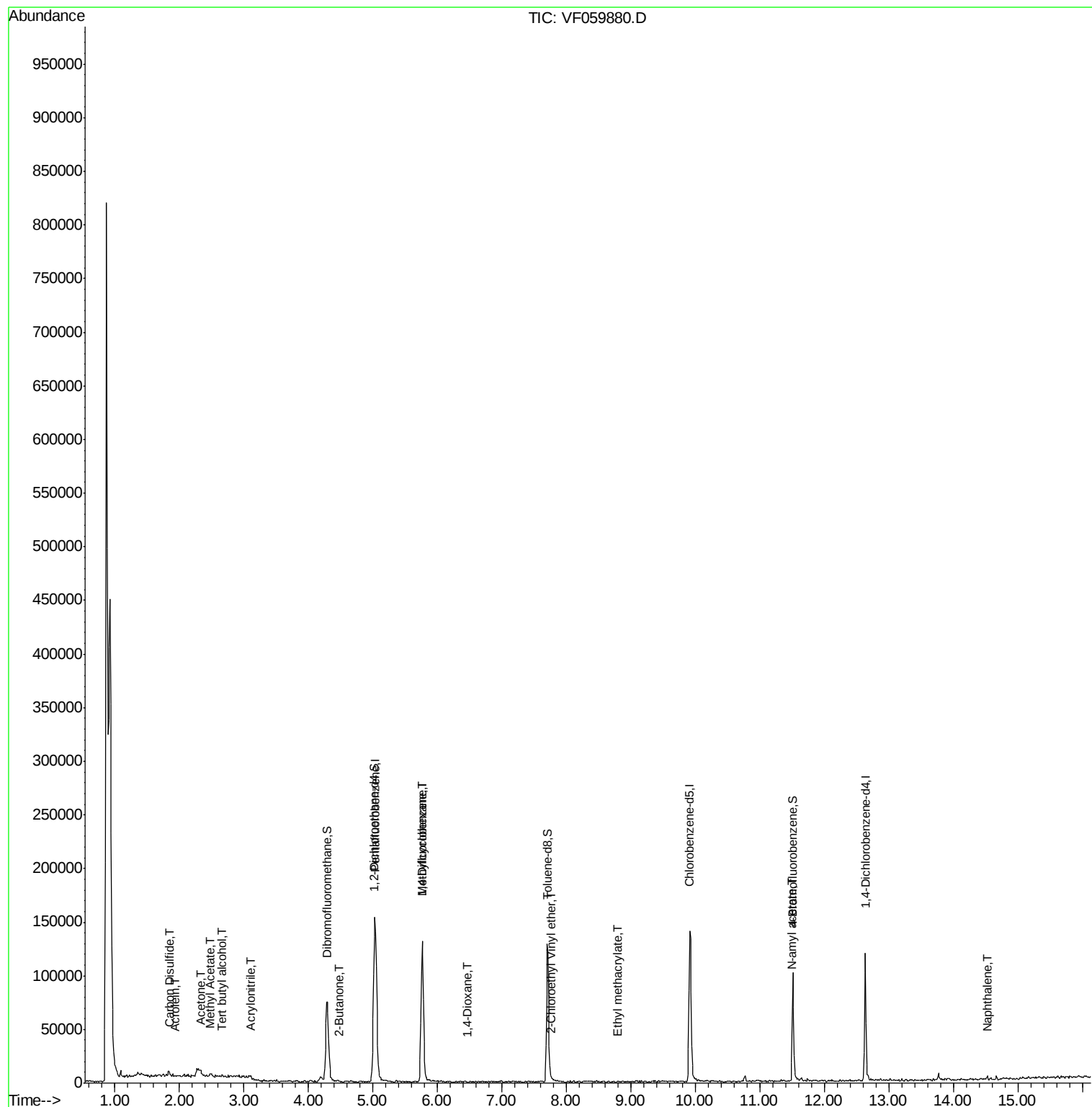
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.65	59	66	1.025	ug/l #	74
13) Acrolein	1.93	56	137	3.549	ug/l	99
15) Acrylonitrile	3.10	53	473	4.007	ug/l #	13
16) Acetone	2.33	43	7532	25.548	ug/l	98
17) Carbon Disulfide	1.84	76	5207	2.465	ug/l	96
18) Methyl Acetate	2.47	43	2584	5.196	ug/l #	56
20) Methylene Chloride	2.29	84	4246	Below Cal	#	86
25) 2-Butanone	4.48	43	430	1.341	ug/l #	60
39) Methylcyclohexane	5.76	83	2999	2.964	ug/l #	34
40) Benzene	4.80	78	597	Below Cal	#	49
49) 1,4-Dioxane	6.47	88	62	97.532	ug/l #	16
56) Ethyl methacrylate	8.79	69	92	3.484	ug/l #	7
58) 2-Chloroethyl Vinyl ether	7.78	63	263	3.241	ug/l	100
74) N-amyl acetate	11.49	43	214	3.384	ug/l #	1
95) Naphthalene	14.53	128	1282	1.028	ug/l #	86

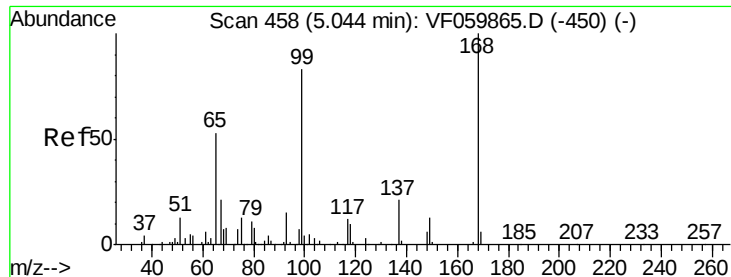
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.55a/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 06 02:18:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

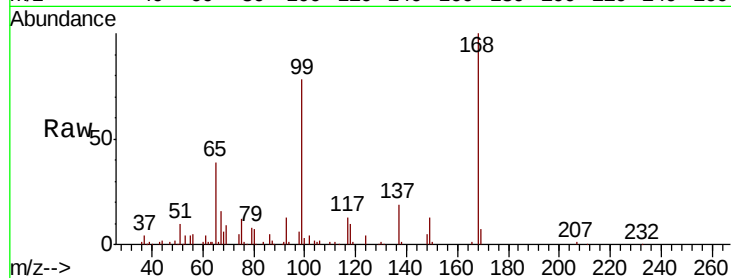
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 88582

Ion Ratio Lower Upper

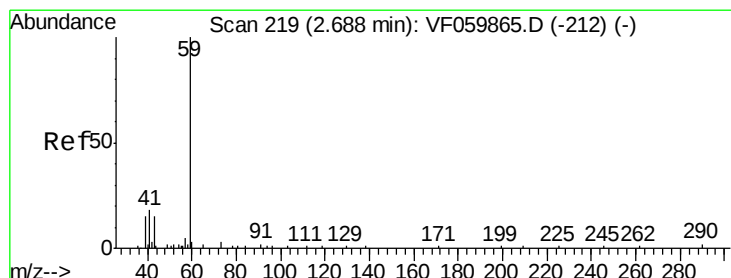
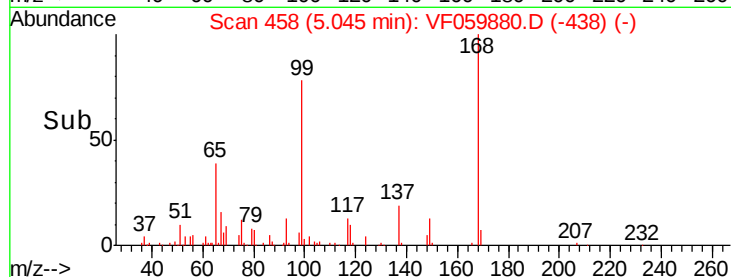
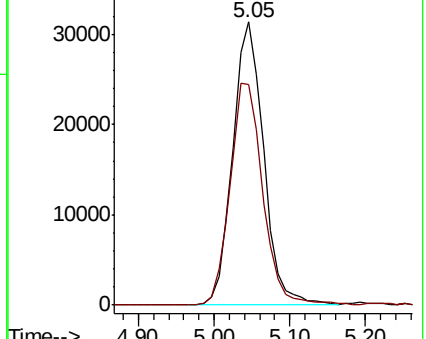
168 100

99 77.8 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.025 ug/l

RT: 2.65 min Scan# 215

Delta R.T. -0.04 min

Lab File: VF059880.D

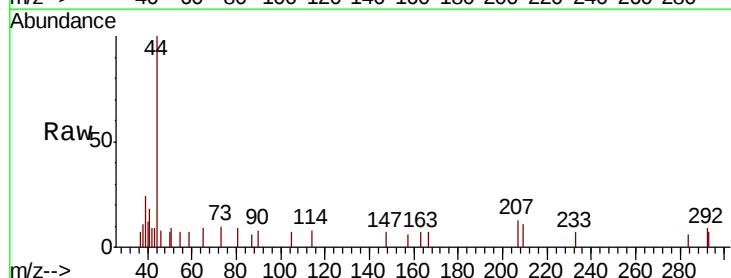
Acq: 4 Aug 2018 12:33

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

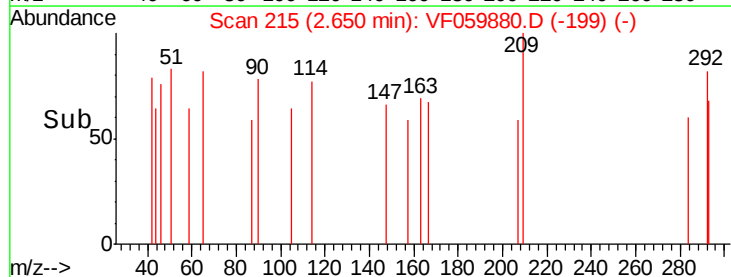
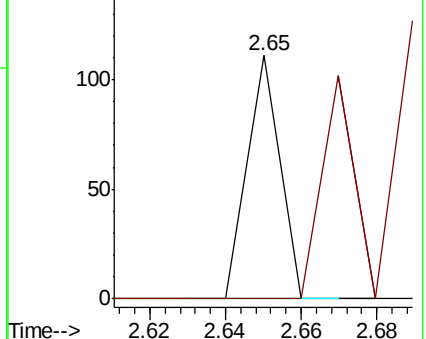
59 100

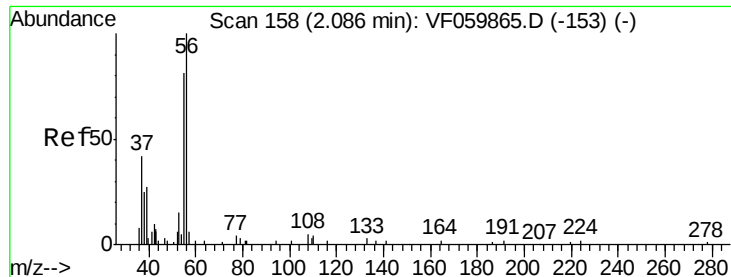
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 3.549 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.16 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

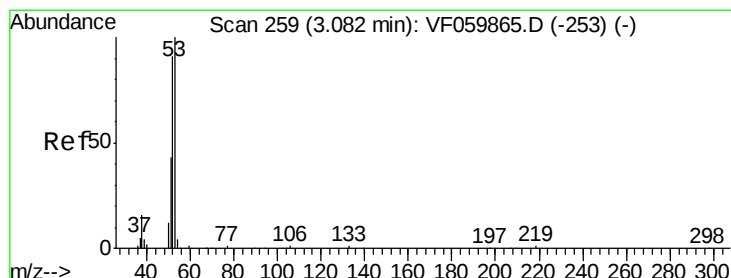
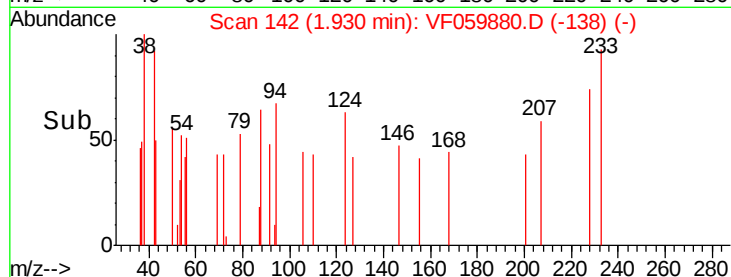
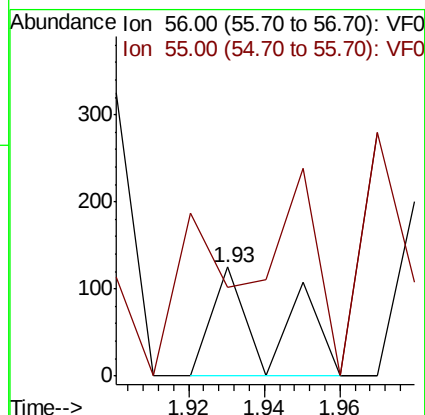
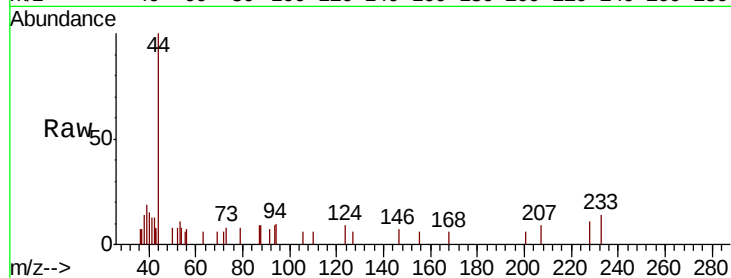
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 137

Ion Ratio Lower Upper

56 100

55 81.6 64.6 96.8



#15

Acrylonitrile

Concen: 4.007 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

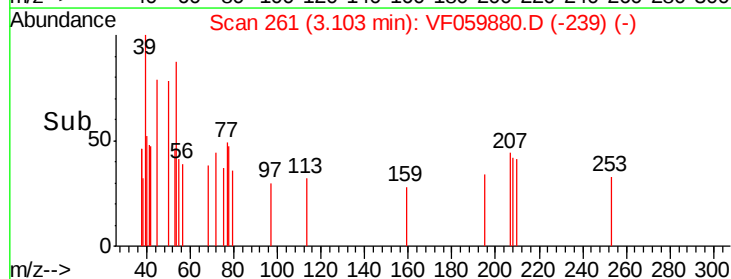
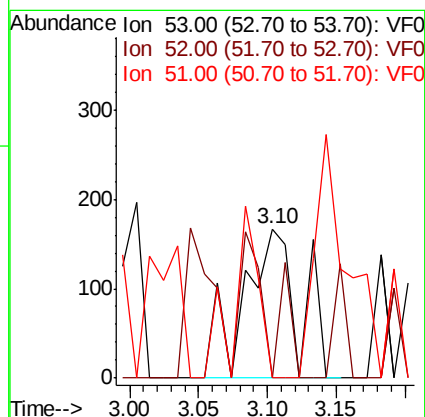
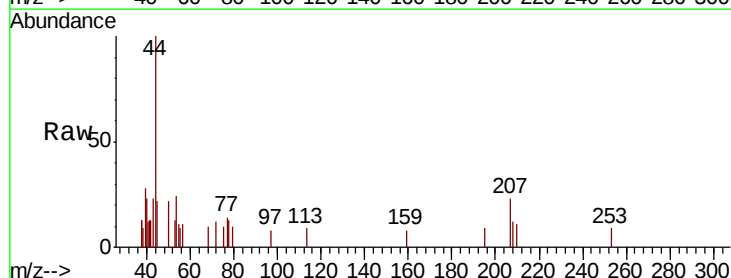
Tgt Ion: 53 Resp: 473

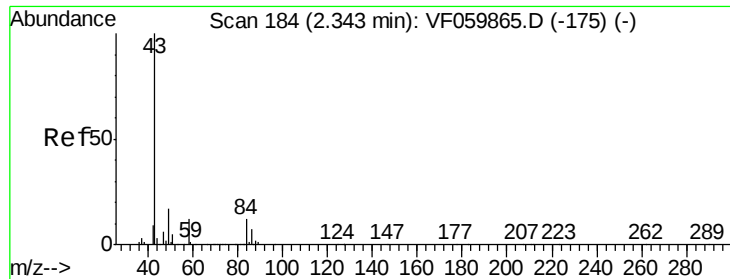
Ion Ratio Lower Upper

53 100

52 0.0 72.9 109.3#

51 0.0 34.5 51.7#





#16

Acetone

Concen: 25.548 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

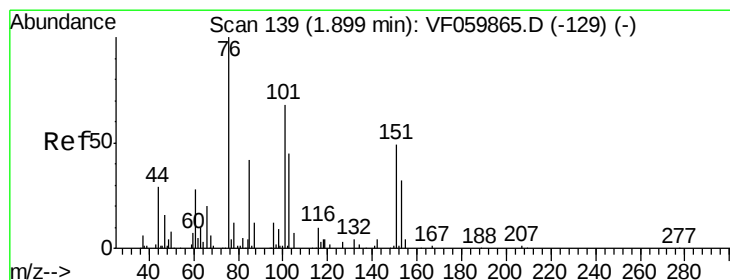
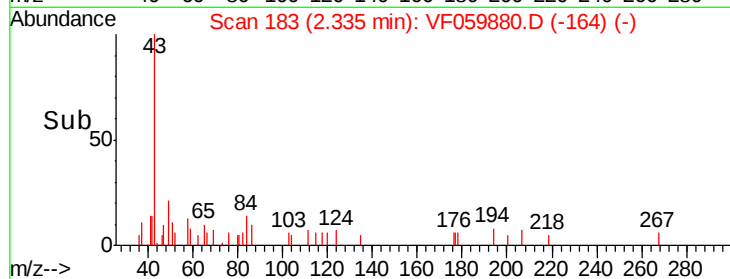
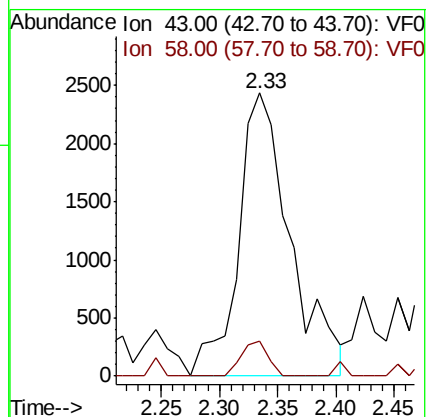
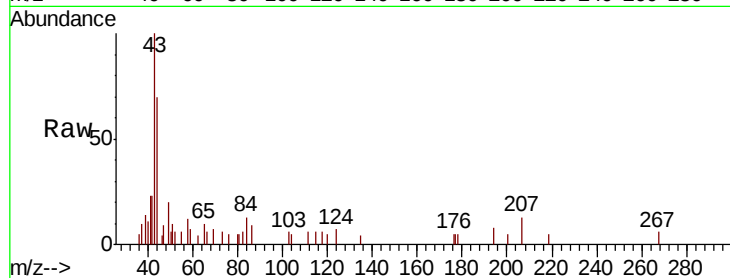
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 7532

Ion Ratio Lower Upper

43 100

58 12.4 9.4 14.0



#17

Carbon Disulfide

Concen: 2.465 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.06 min

Lab File: VF059880.D

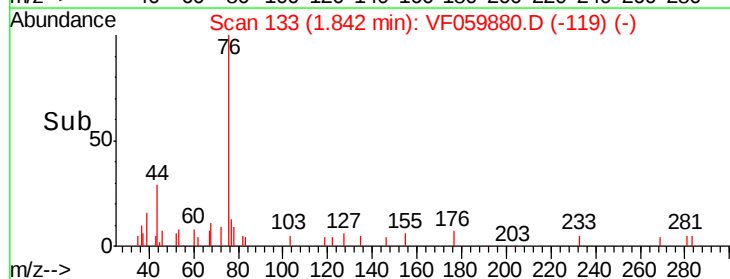
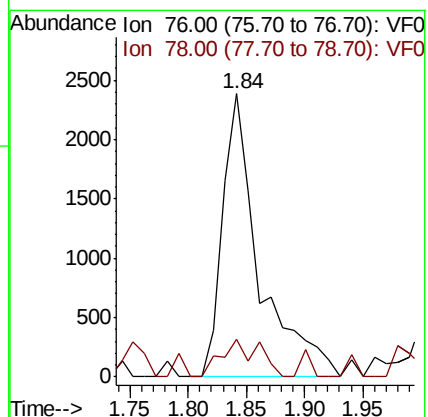
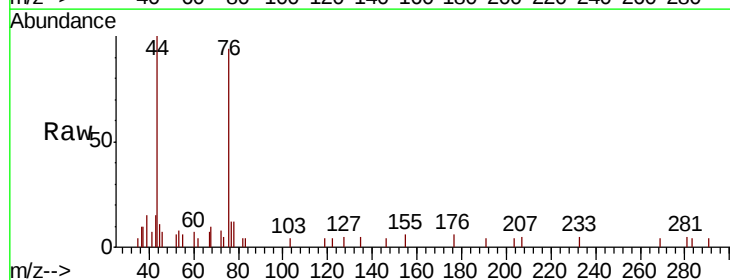
Acq: 4 Aug 2018 12:33

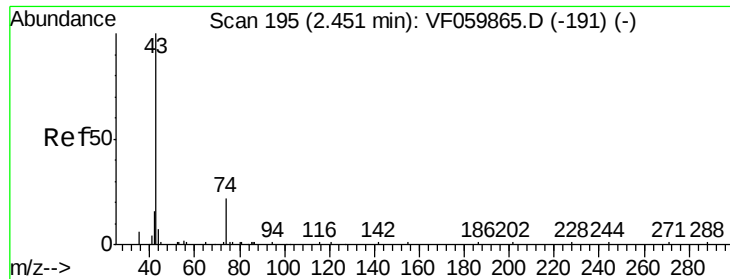
Tgt Ion: 76 Resp: 5207

Ion Ratio Lower Upper

76 100

78 13.2 9.3 13.9

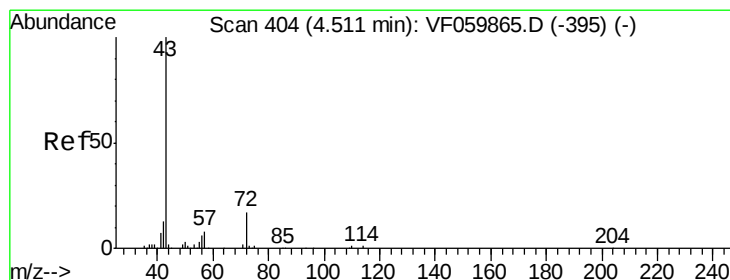
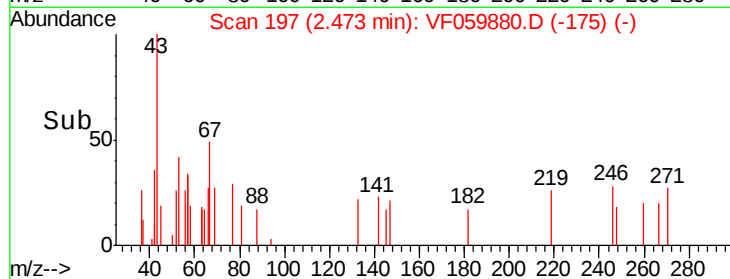
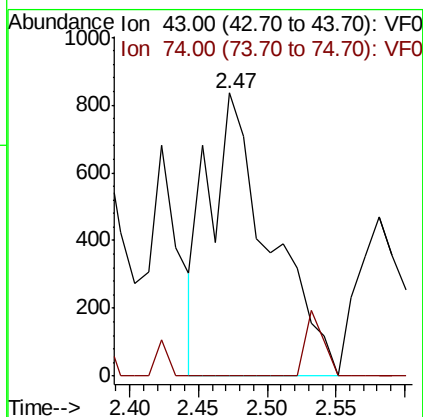
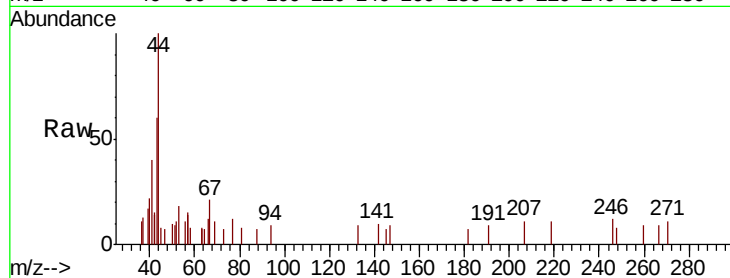




#18
Methyl Acetate
Concen: 5.196 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF059880.D
Acq: 4 Aug 2018 12:33

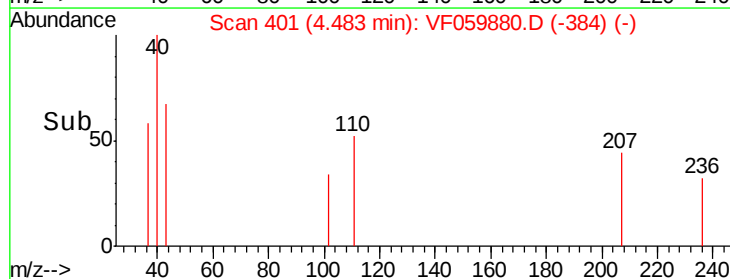
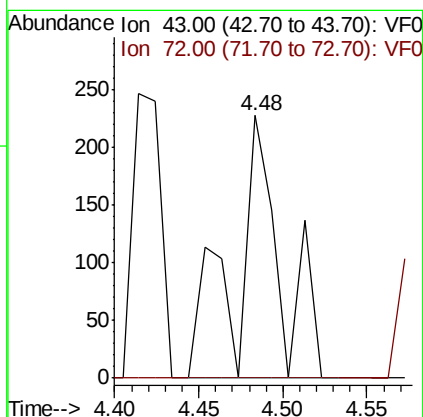
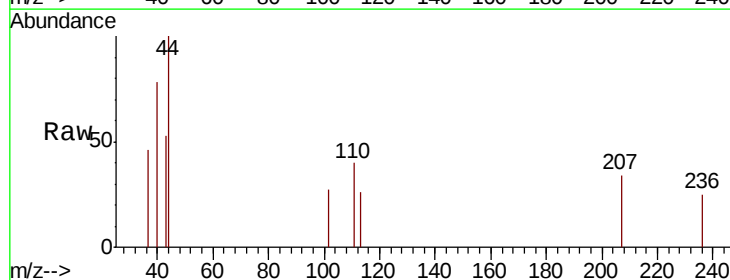
Instrument :
MSVOA_F
ClientSampled :

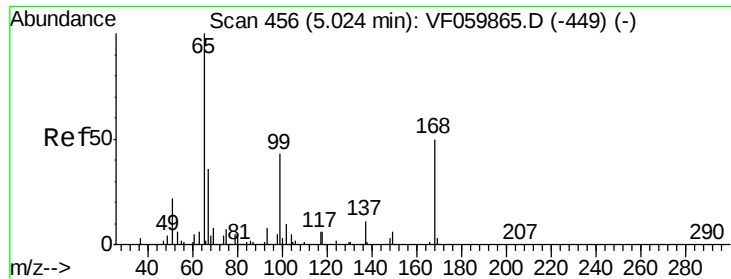
Tot Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#25
2-Butanone
Concen: 1.341 ug/l
RT: 4.48 min Scan# 401
Delta R.T. -0.03 min
Lab File: VF059880.D
Acq: 4 Aug 2018 12:33

Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
72 0.0 13.9 20.9#

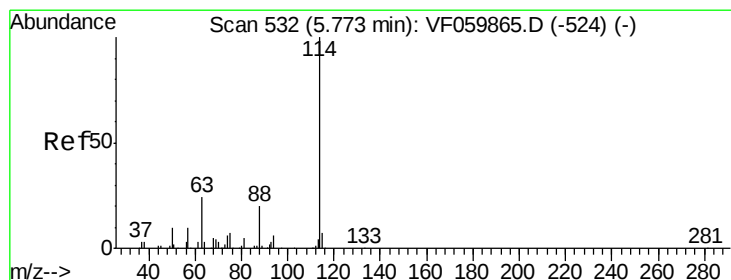
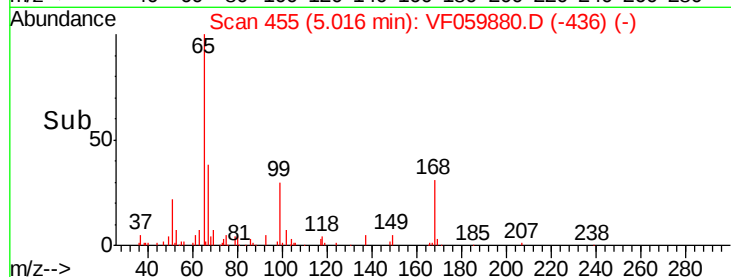
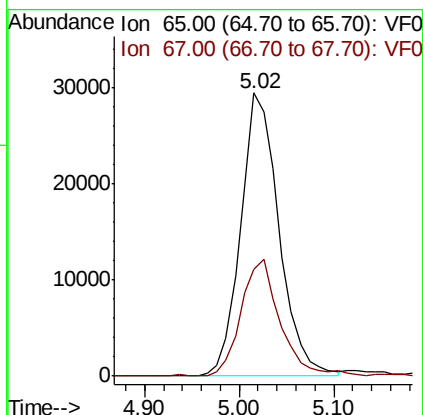
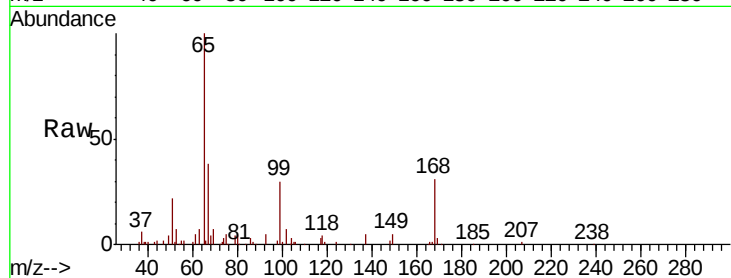




#33
 1,2-Dichloroethane-d4
 Concen: 51.901 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059880.D
 Acq: 4 Aug 2018 12:33

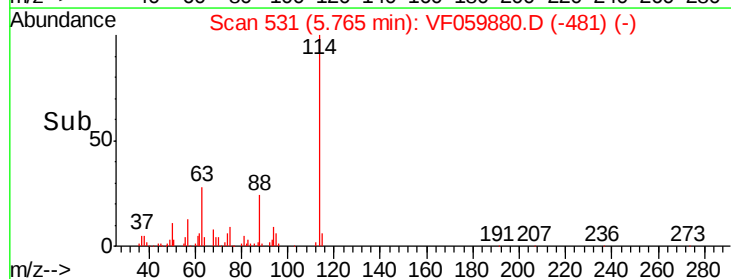
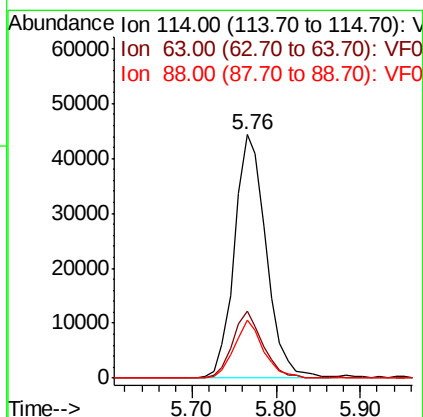
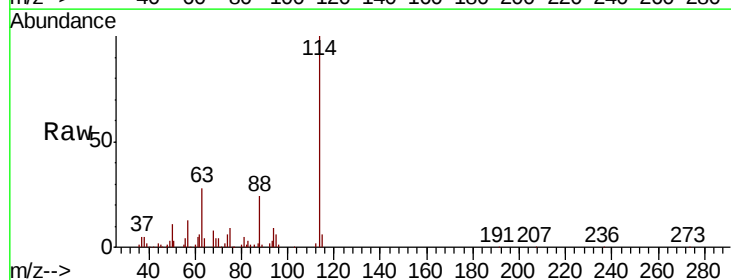
Instrument :
 MSVOA_F
 ClientSampleId :

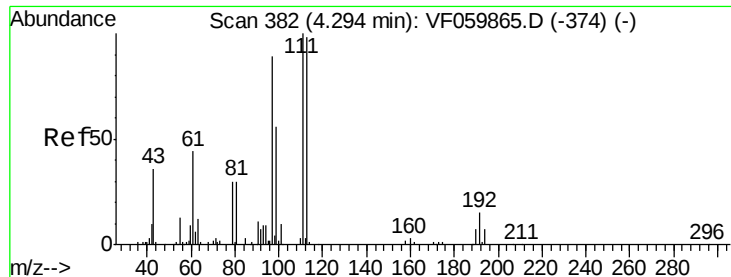
Tot Ion: 65 Resp: 82886
 Ion Ratio Lower Upper
 65 100
 67 37.6 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059880.D
 Acq: 4 Aug 2018 12:33

Tgt Ion: 114 Resp: 116633
 Ion Ratio Lower Upper
 114 100
 63 27.7 0.0 48.0
 88 23.6 0.0 39.4





#35

Dibromofluoromethane

Concen: 58.676 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

Instrument :
MSVOA_F
ClientSampleId :

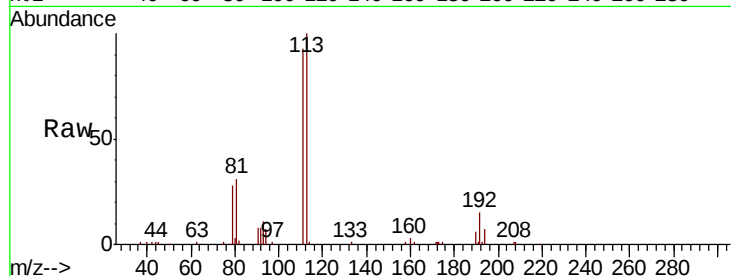
Tot Ion:113 Resp: 68090

Ion Ratio Lower Upper

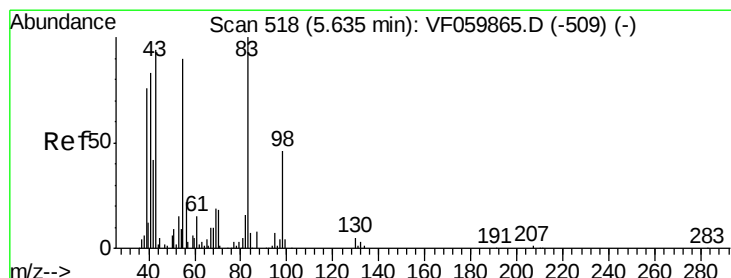
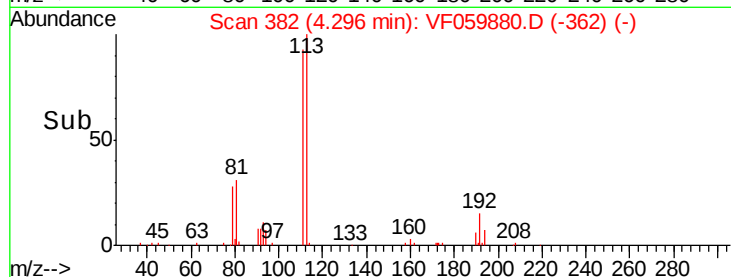
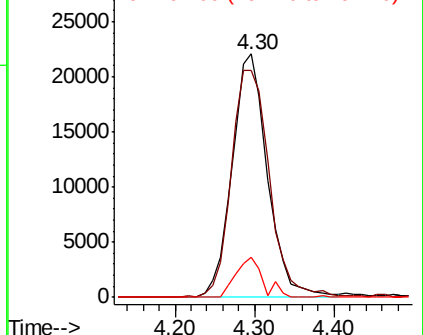
113 100

111 93.1 81.8 122.8

192 16.2 12.4 18.6



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



#39

Methylcyclohexane

Concen: 2.964 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

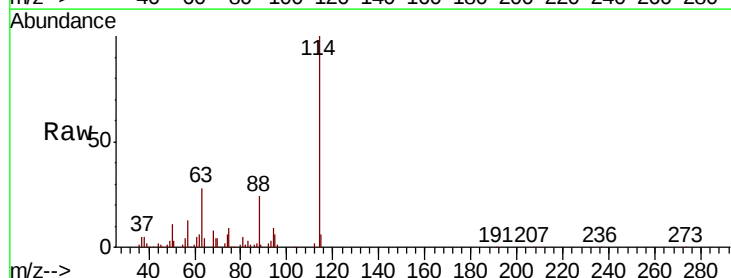
Tgt Ion: 83 Resp: 2999

Ion Ratio Lower Upper

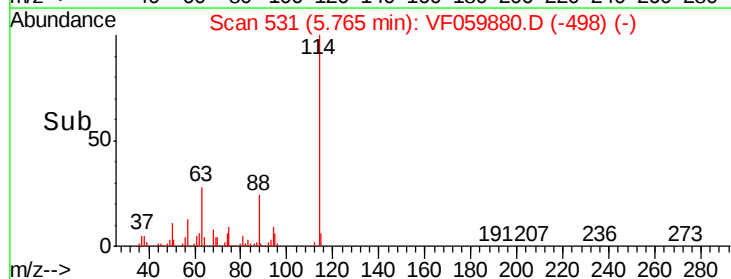
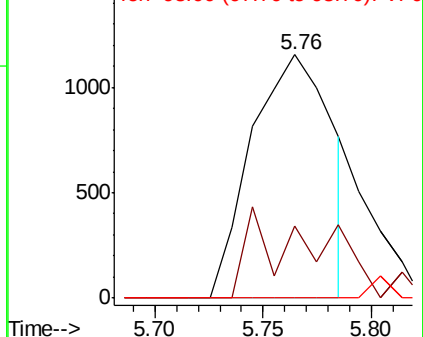
83 100

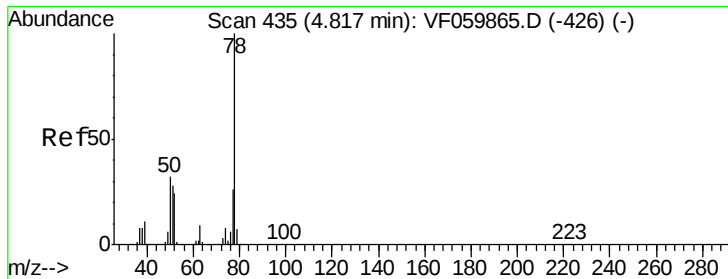
55 29.6 72.0 108.0#

98 0.0 36.6 54.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: Below Cal

RT: 4.80 min Scan# 433

Delta R.T. -0.02 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

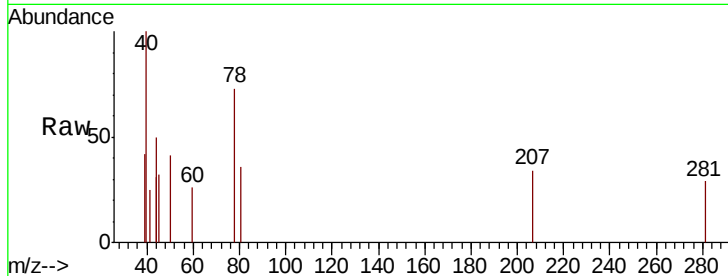
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 597

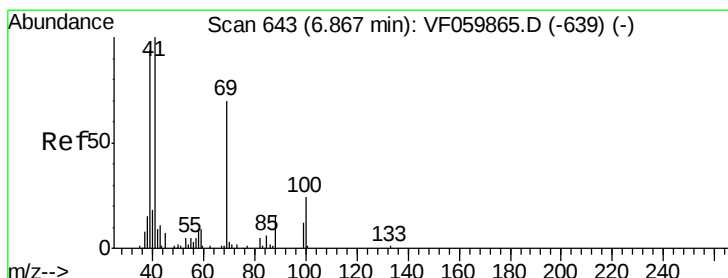
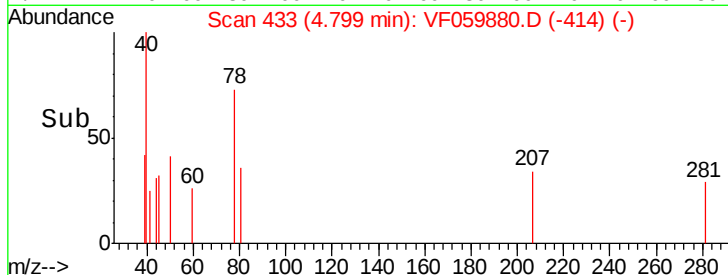
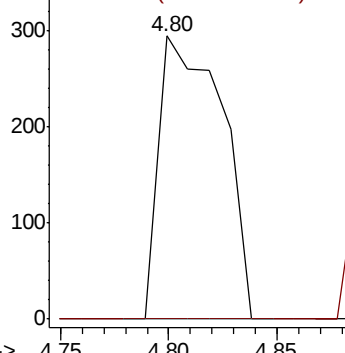
Ion Ratio Lower Upper

78 100

77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0



#49

1,4-Dioxane

Concen: 97.532 ug/l

RT: 6.47 min Scan# 603

Delta R.T. -0.39 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

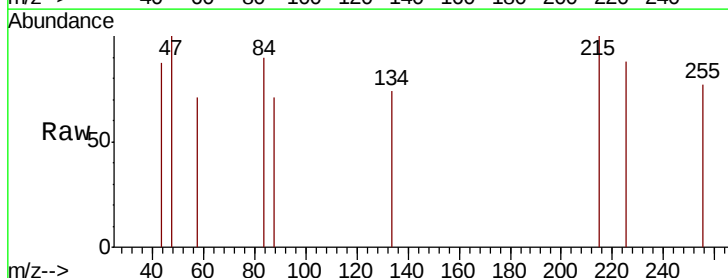
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

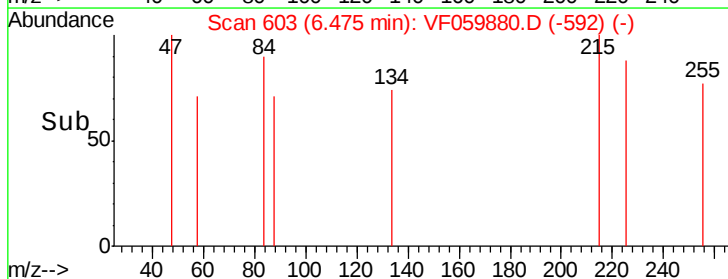
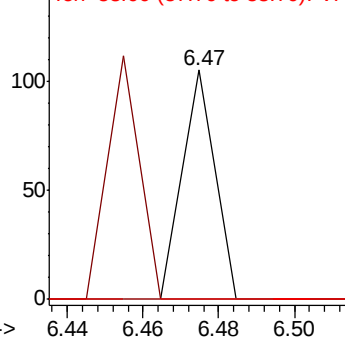
88 100

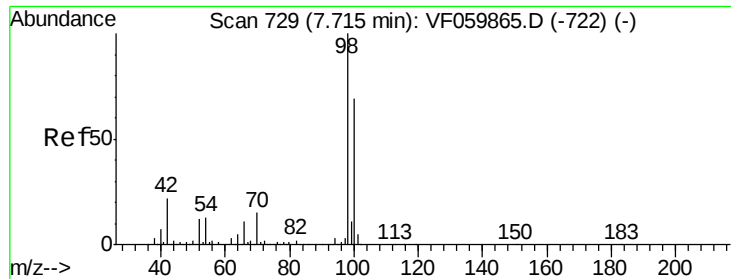
43 0.0 58.3 87.5#

58 0.0 49.4 74.2#



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: 40.142 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

Instrument :

MSVOA_F

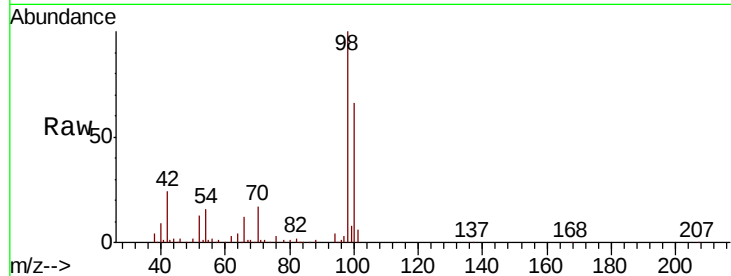
ClientSampleId :

Tot Ion: 98 Resp: 99115

Ion Ratio Lower Upper

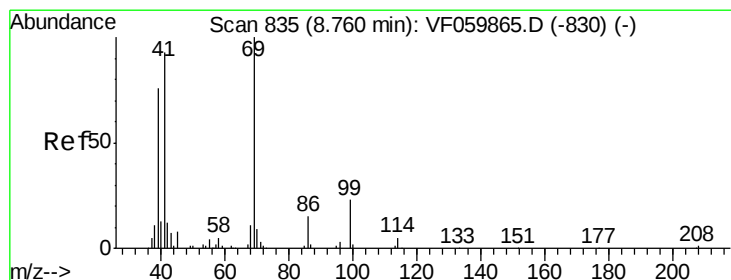
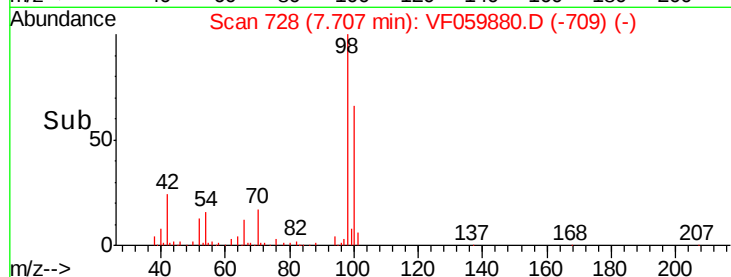
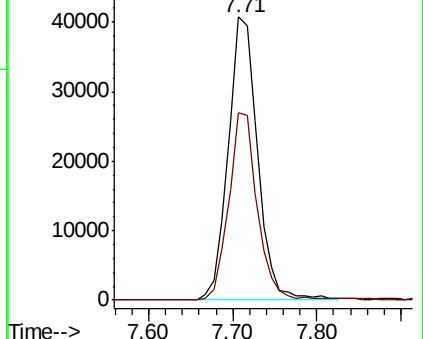
98 100

100 66.2 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#56

Ethyl methacrylate

Concen: 3.484 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.03 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

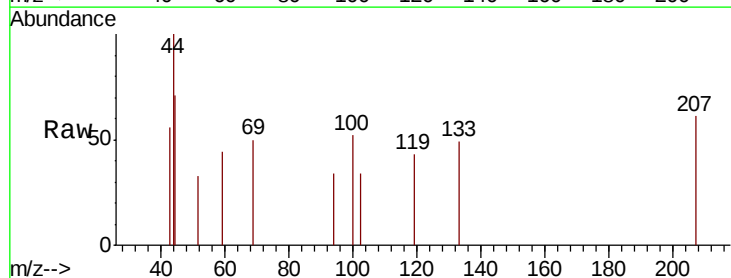
Tgt Ion: 69 Resp: 92

Ion Ratio Lower Upper

69 100

41 0.0 74.7 112.1#

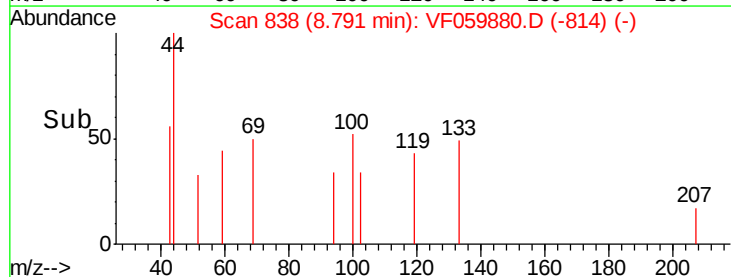
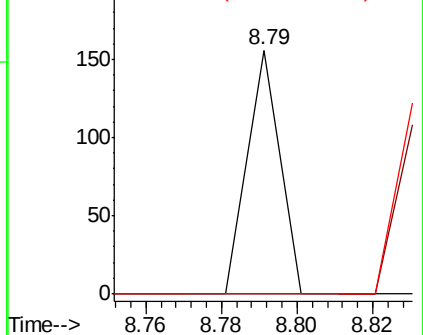
39 0.0 61.1 91.7#

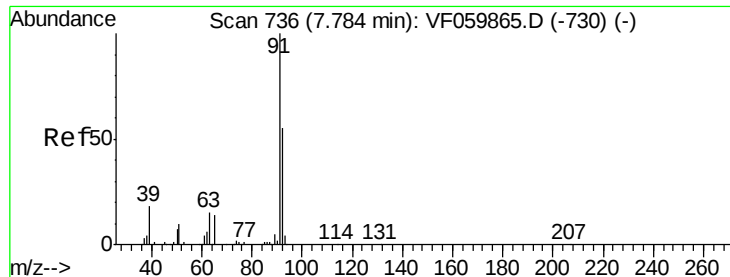


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

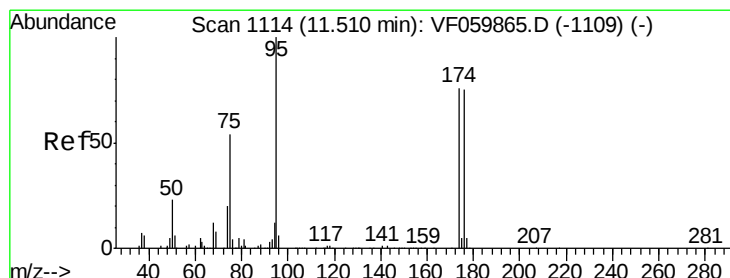
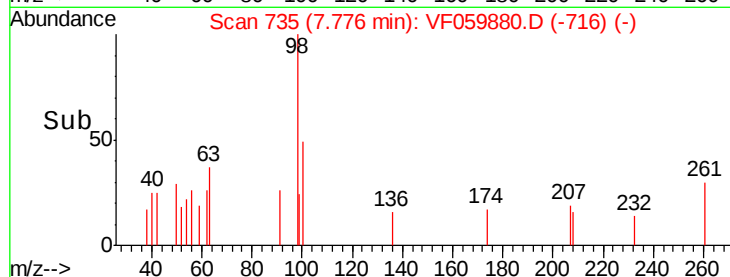
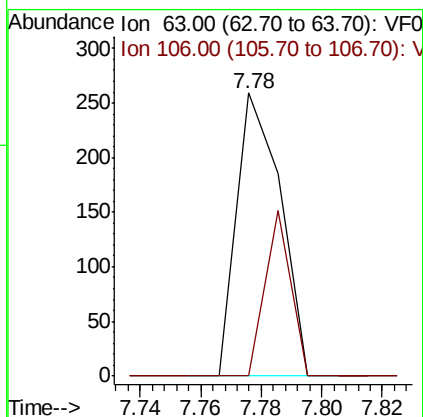
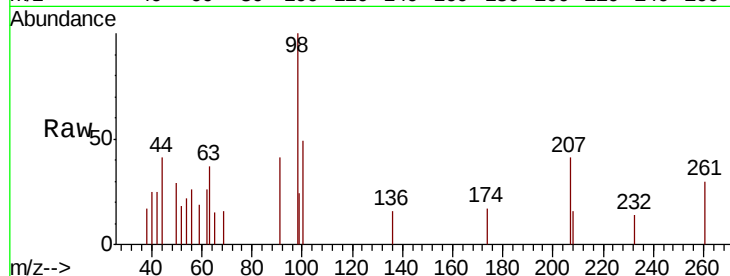




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.241 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF059880.D
 Acq: 4 Aug 2018 12:33

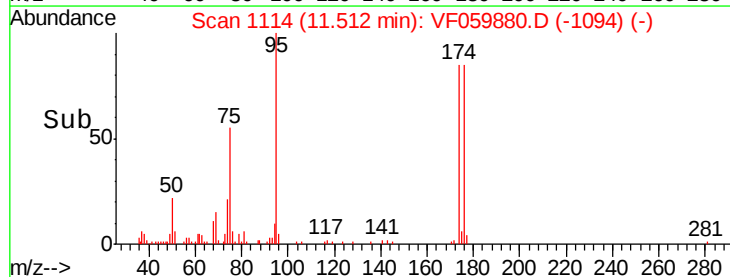
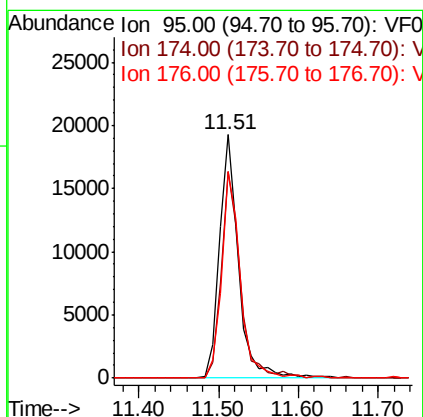
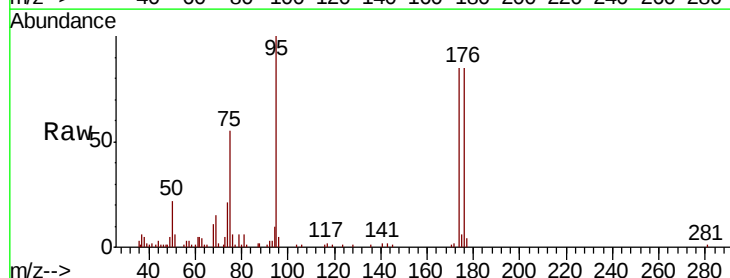
Instrument :
 MSVOA_F
 ClientSampleId :

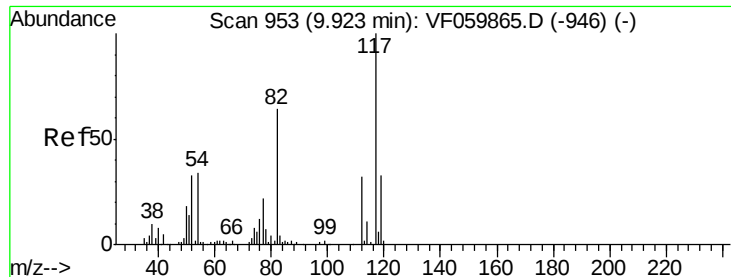
Tot Ion: 63 Resp: 263
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 23.484 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059880.D
 Acq: 4 Aug 2018 12:33

Tgt Ion: 95 Resp: 32583
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 151.6
 176 84.9 0.0 149.8

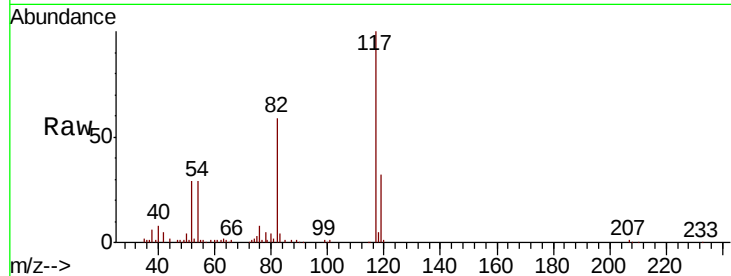




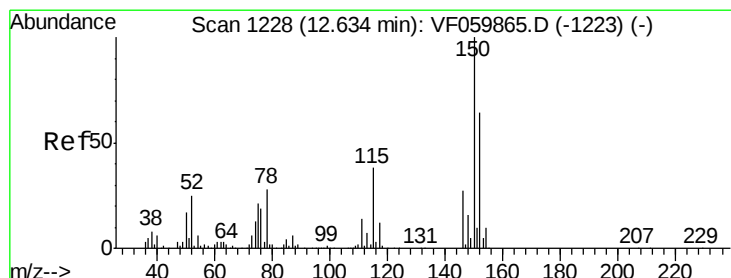
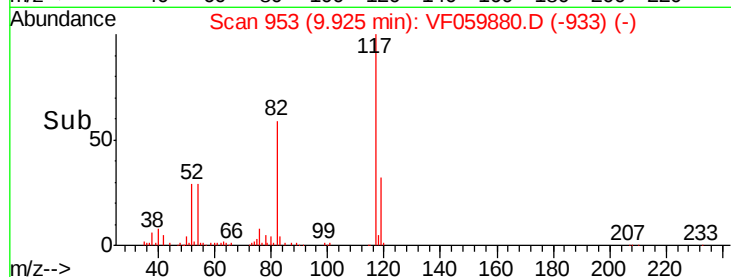
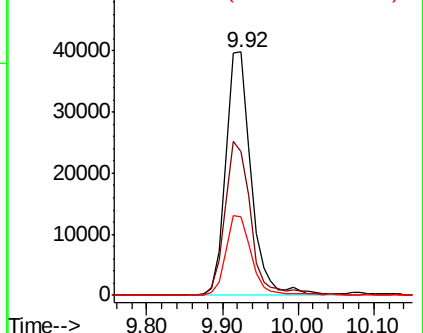
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059880.D
Acq: 4 Aug 2018 12:33

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 92663
Ion Ratio Lower Upper
117 100
82 59.0 51.3 76.9
119 32.2 26.4 39.6

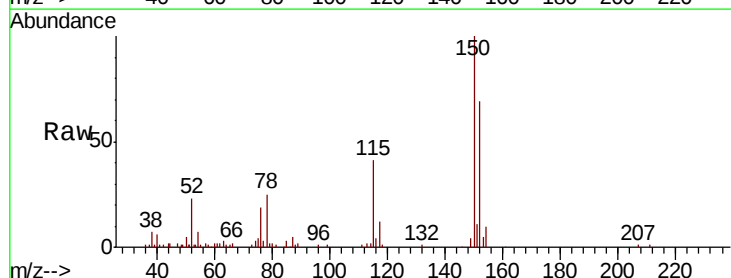


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

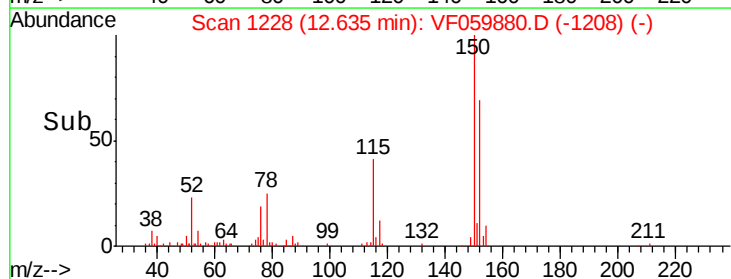
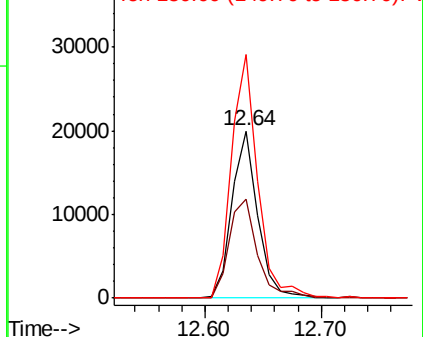


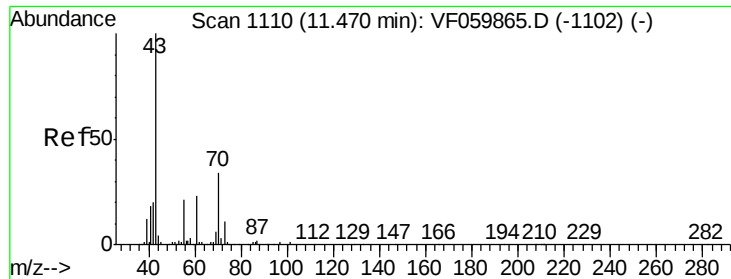
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059880.D
Acq: 4 Aug 2018 12:33

Tgt Ion:152 Resp: 30705
Ion Ratio Lower Upper
152 100
115 59.0 29.8 89.4
150 145.6 0.0 315.6



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-amyl acetate

Concen: 3.384 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 214

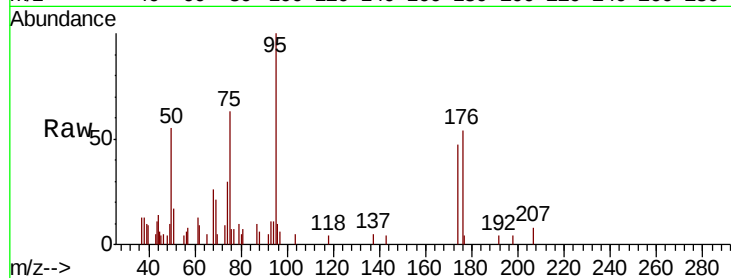
Ion Ratio Lower Upper

43 100

70 102.9 27.5 41.3#

55 75.0 16.6 25.0#

61 252.1 18.2 27.4#



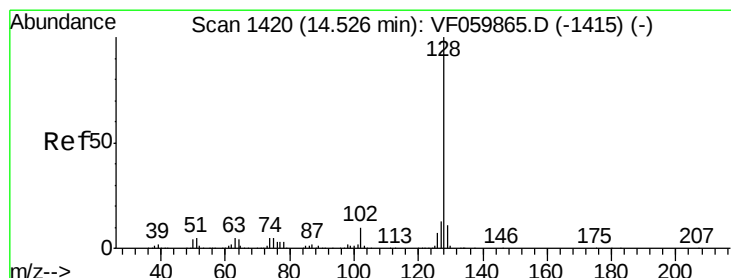
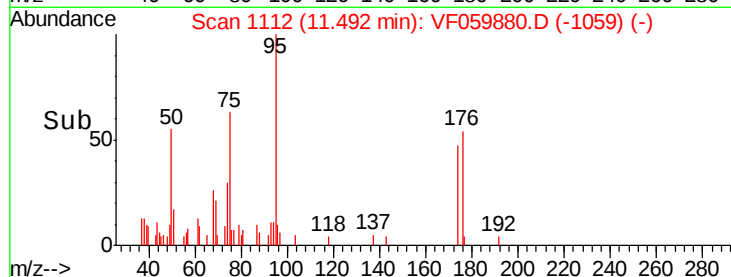
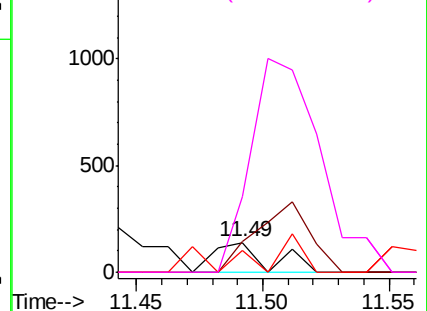
Abundance

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



#95

Naphthalene

Concen: 1.028 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059880.D

Acq: 4 Aug 2018 12:33

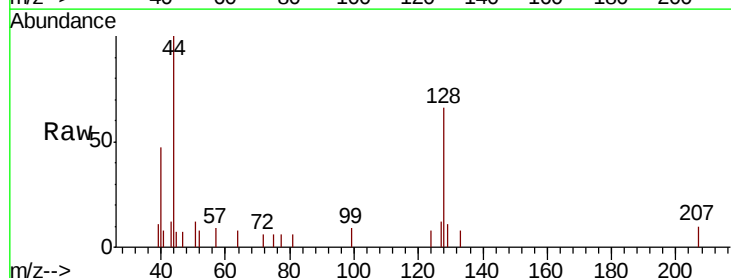
Tgt Ion: 128 Resp: 1282

Ion Ratio Lower Upper

128 100

127 18.8 10.4 15.6#

129 16.2 9.0 13.6#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

