

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059598.D
 Acq On : 20 Jul 2018 23:16
 Operator : VA/AP
 Sample : J3828-11RE
 Misc : 7.04g/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:57:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

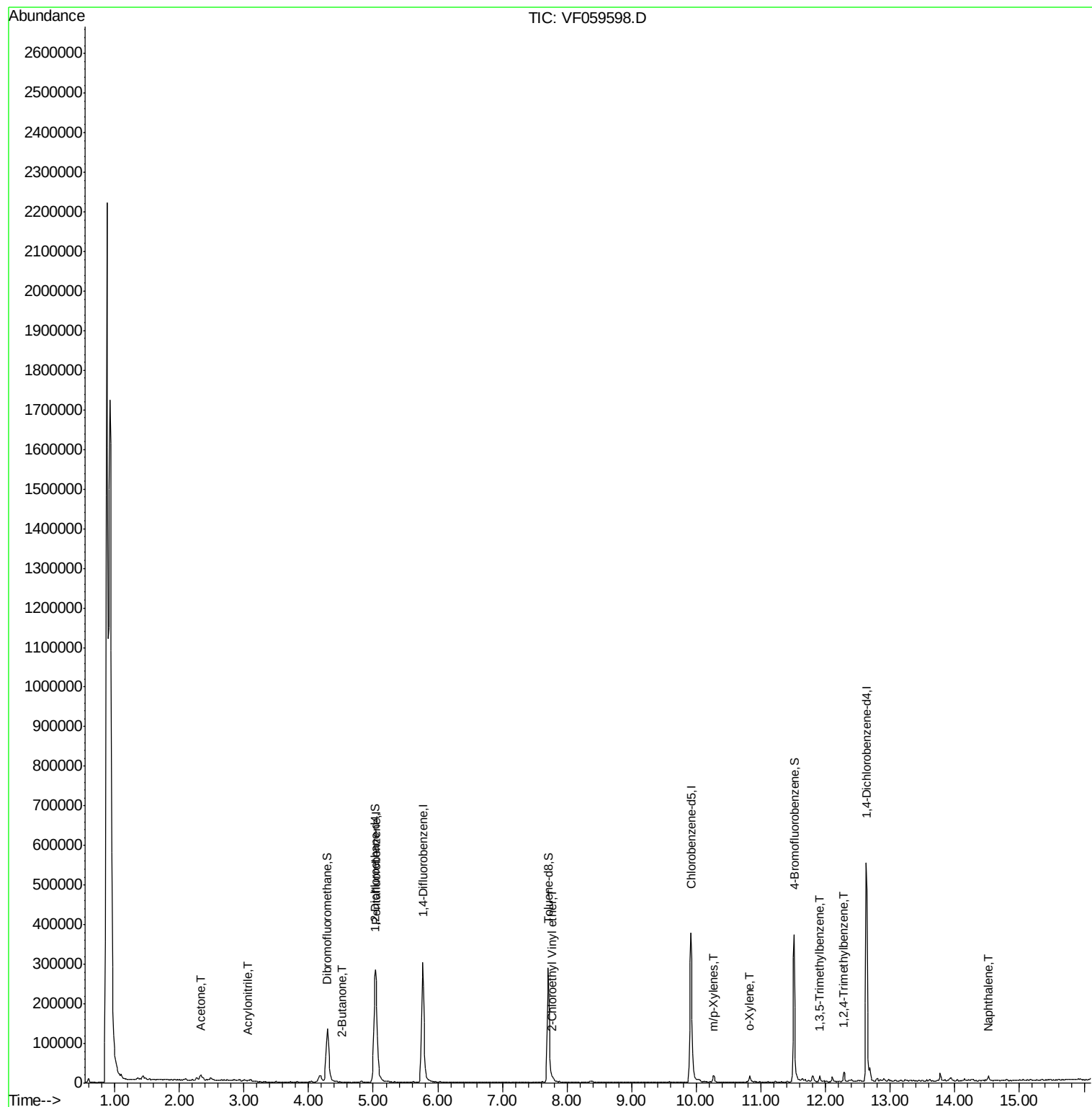
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	199084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	300792	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	260217	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	144268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	139552	45.07	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.14%	
35) Dibromofluoromethane	4.29	113	128246	49.23	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	7.71	98	240748	36.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.38%	
62) 4-Bromofluorobenzene	11.51	95	130621	37.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.67	59	380	Below Cal	#	1
13) Acrolein	1.93	56	214	Below Cal		95
15) Acrylonitrile	3.06	53	349	1.343	ug/l #	69
16) Acetone	2.33	43	20143	17.976	ug/l	93
18) Methyl Acetate	2.43	43	1737	Below Cal	#	67
20) Methylene Chloride	2.41	84	136	Below Cal	#	10
25) 2-Butanone	4.50	43	2139	2.976	ug/l	96
29) Tetrahydrofuran	4.28	42	493	Below Cal	#	61
37) Ethyl Acetate	4.28	43	556	Below Cal	#	41
49) 1,4-Dioxane	6.74	88	96	Below Cal	#	65
58) 2-Chloroethyl Vinyl ether	7.78	63	658	3.662	ug/l	100
68) m/p-Xylenes	10.26	106	6092	1.987	ug/l	87
69) o-Xylene	10.82	106	4262	1.305	ug/l	82
80) 1,3,5-Trimethylbenzene	11.92	105	8373	1.098	ug/l	86
84) 1,2,4-Trimethylbenzene	12.28	105	12607	1.606	ug/l	95
95) Naphthalene	14.52	128	7479	1.415	ug/l #	89

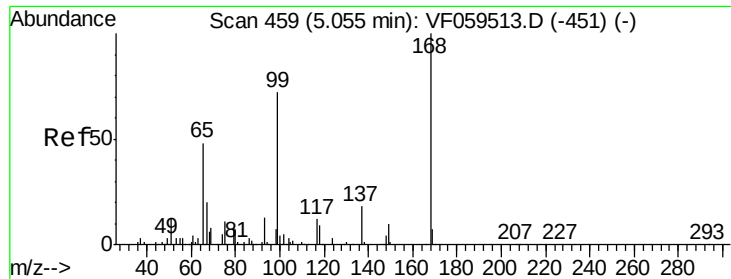
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

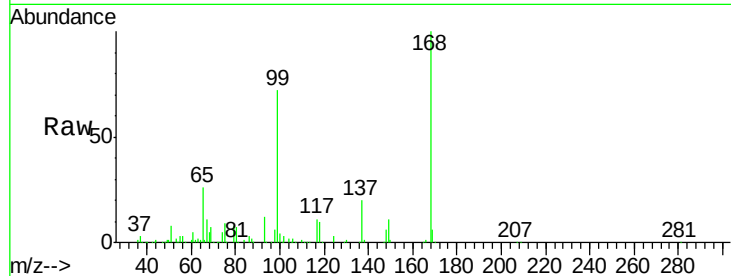
ClientSampleId :

Tot Ion:168 Resp: 199084

Ion Ratio Lower Upper

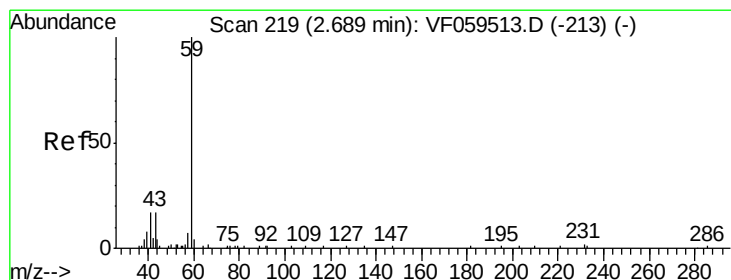
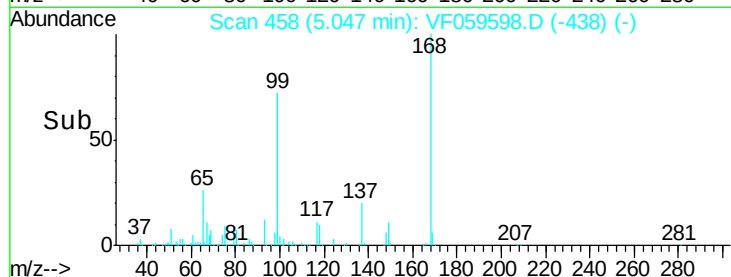
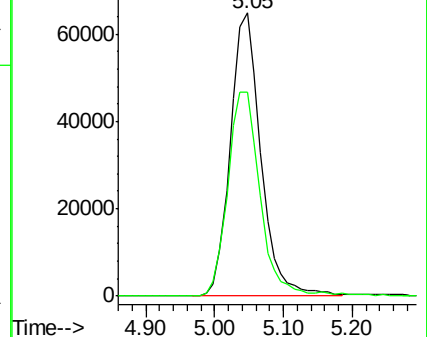
168 100

99 71.9 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.67 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF059598.D

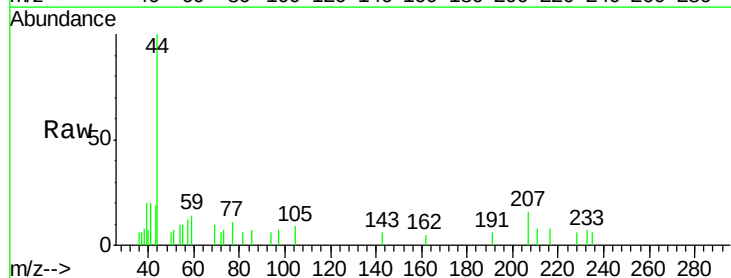
Acq: 20 Jul 2018 23:16

Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

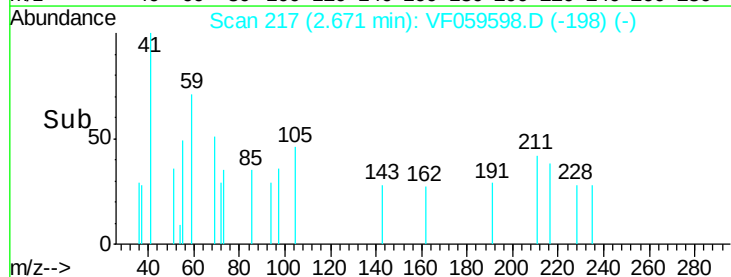
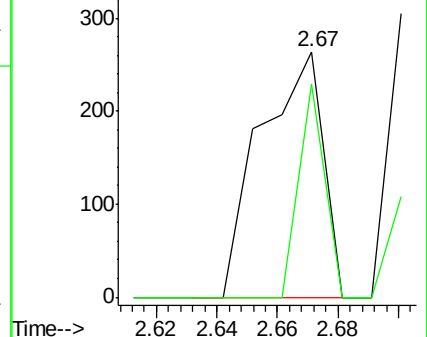
59 100

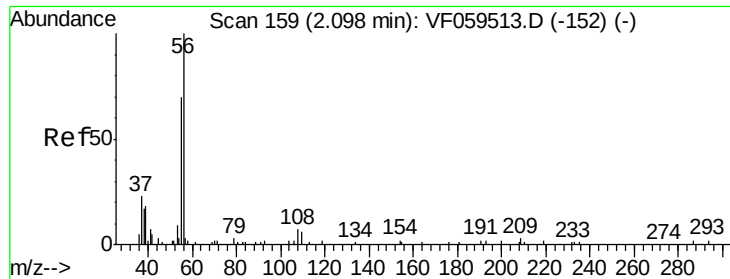
57 86.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 1.93 min Scan# 142

Delta R.T. -0.16 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

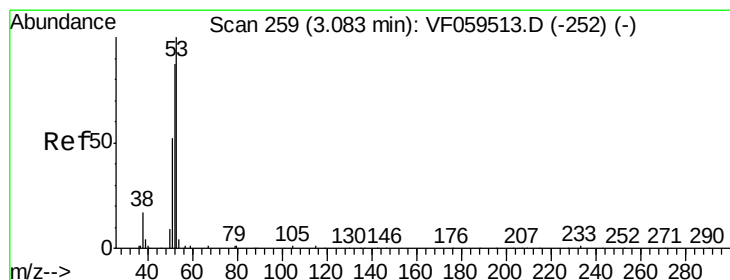
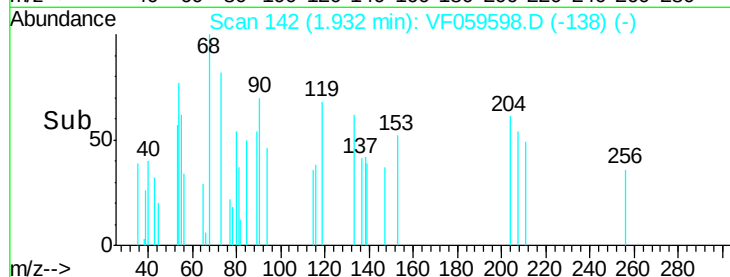
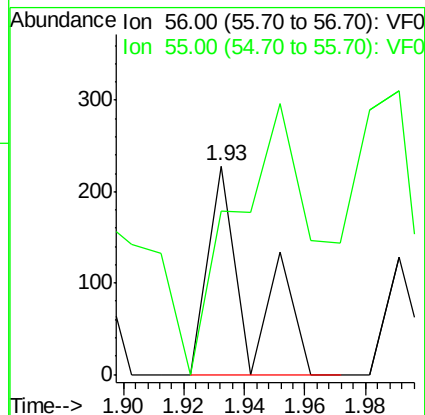
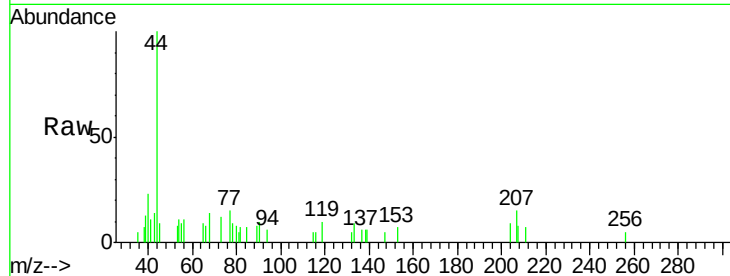
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 78.5 59.4 89.2



#15

Acrylonitrile

Concen: 1.343 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

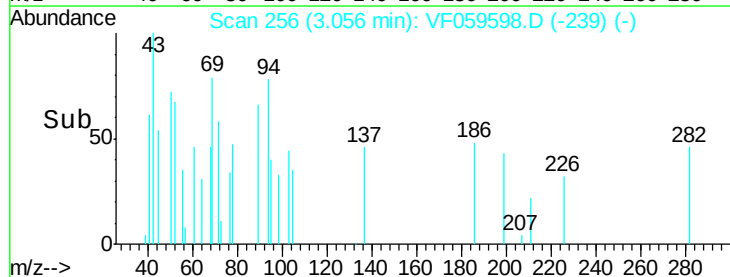
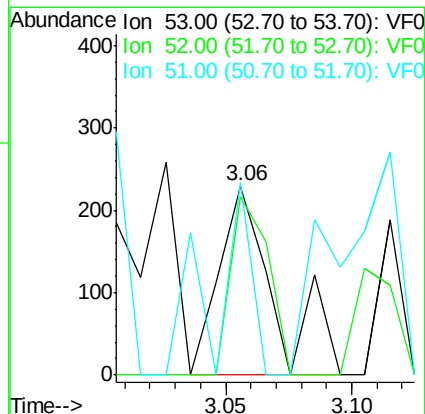
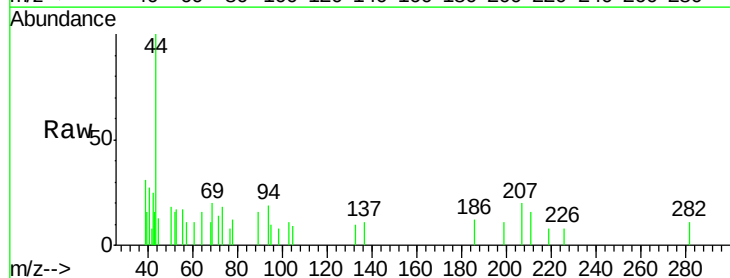
Tgt Ion: 53 Resp: 349

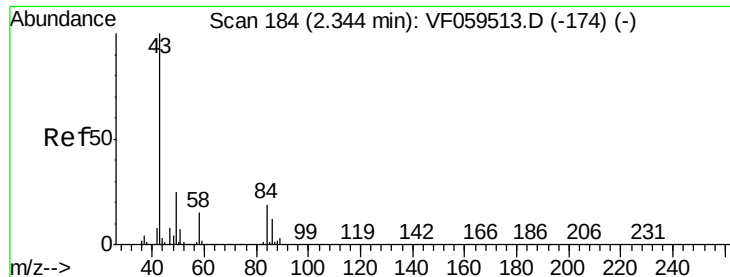
Ion Ratio Lower Upper

53 100

52 94.8 70.1 105.1

51 101.7 42.5 63.7#

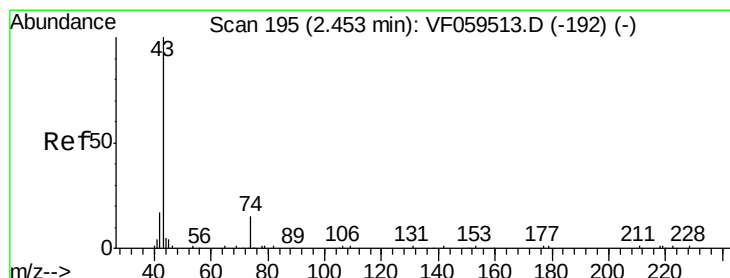
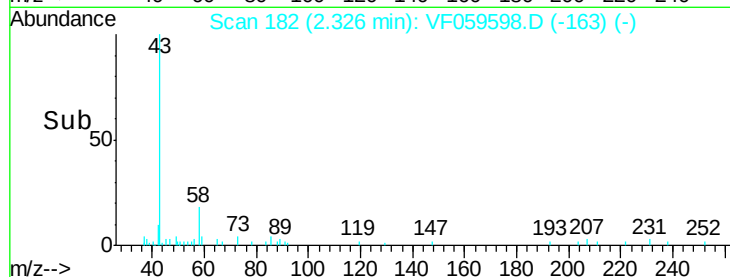
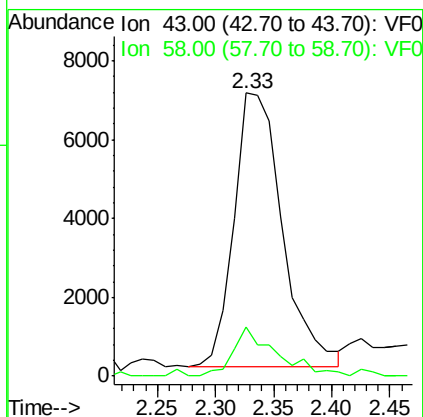
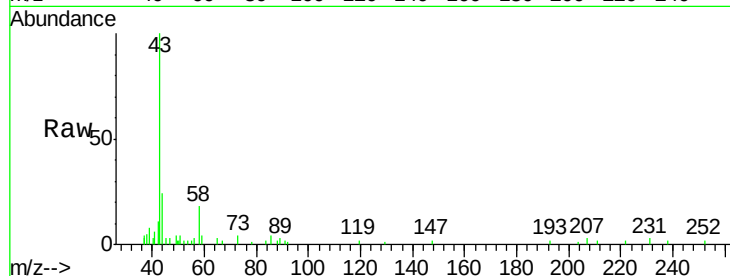




#16
Acetone
Concen: 17.976 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

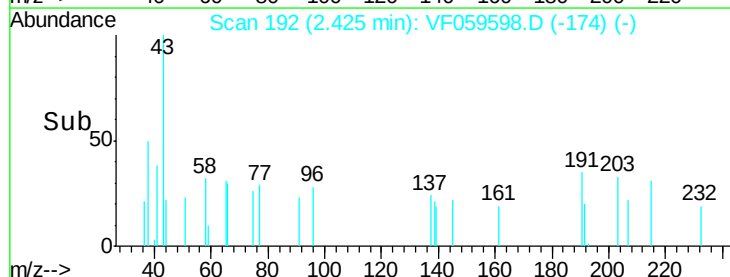
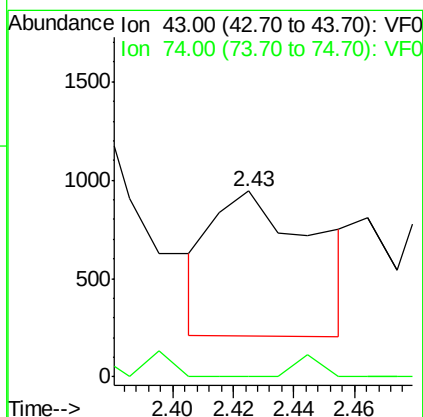
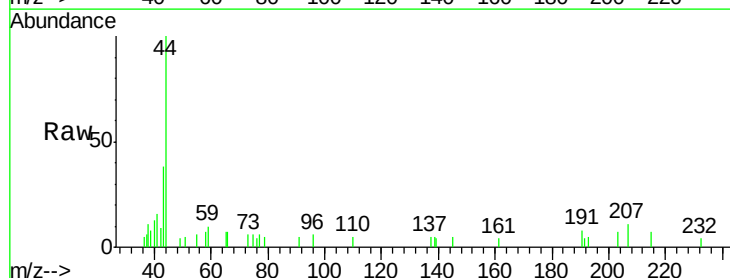
Instrument :
MSVOA_F
ClientSampleId :

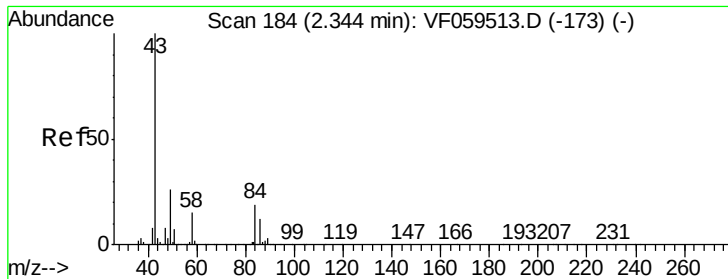
Tot Ion: 43 Resp: 20143
Ion Ratio Lower Upper
43 100
58 17.6 11.8 17.6



#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 192
Delta R.T. -0.03 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#

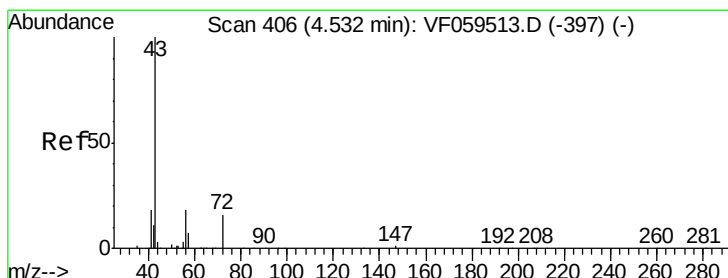
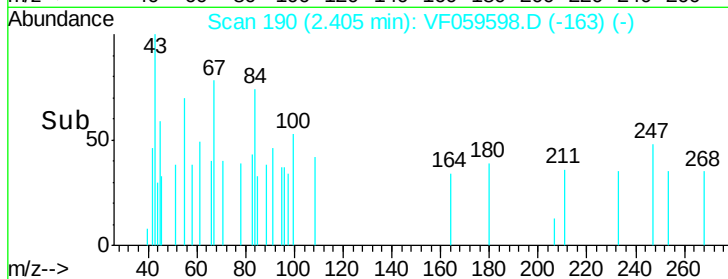
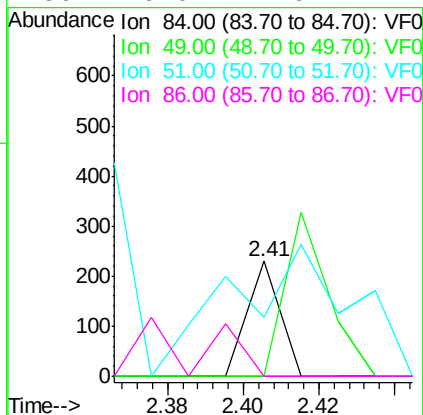
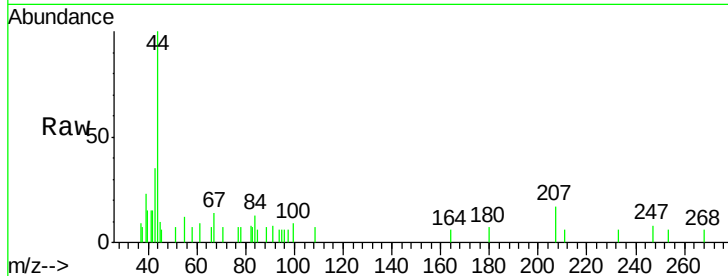




#20
Methylene Chloride
Concen: Below Cal
RT: 2.41 min Scan# 190
Delta R.T. 0.06 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

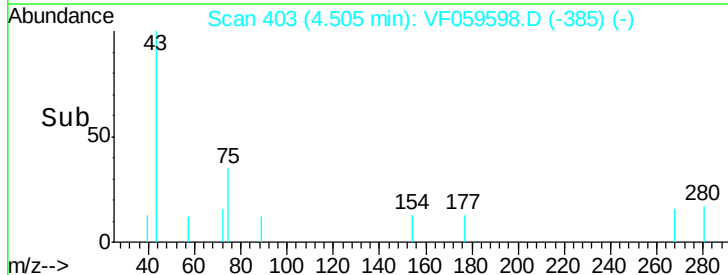
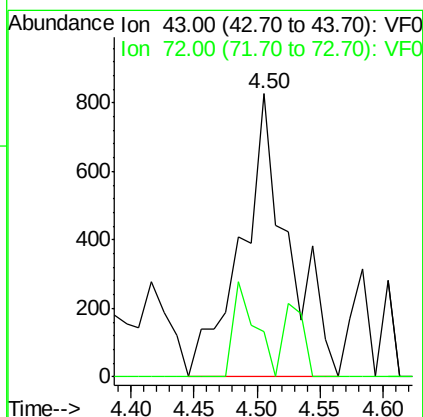
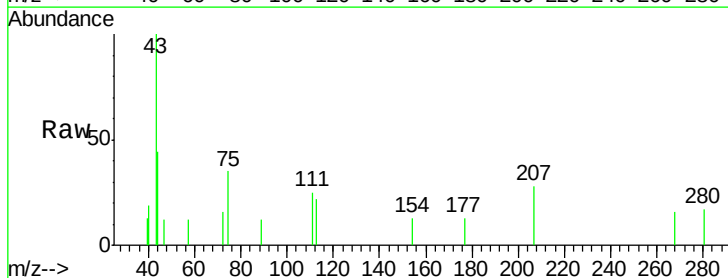
Instrument :
MSVOA_F
ClientSampled :

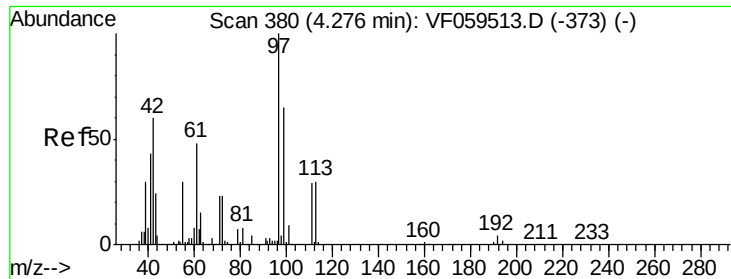
Tot Ion: 84 Resp: 136
Ion Ratio Lower Upper
84 100
49 0.0 109.4 164.2#
51 50.9 30.5 45.7#
86 0.0 47.6 71.4#



#25
2-Butanone
Concen: 2.976 ug/l
RT: 4.50 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
72 16.2 14.2 21.4

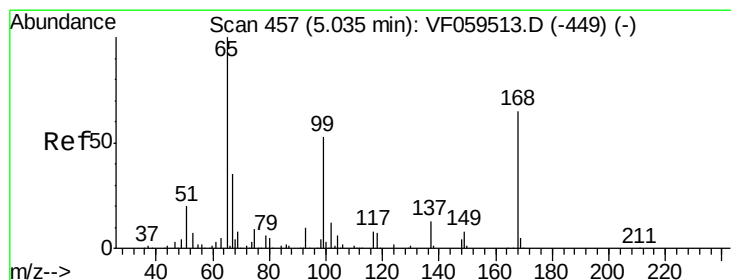
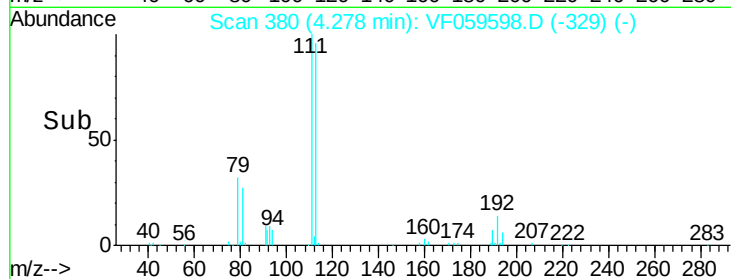
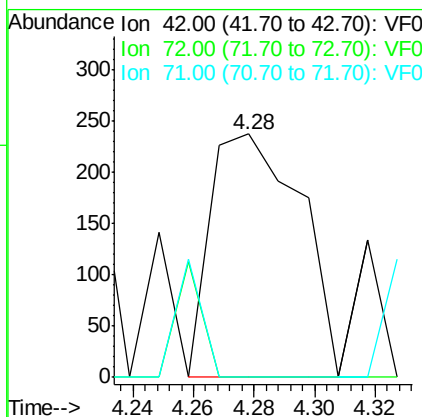
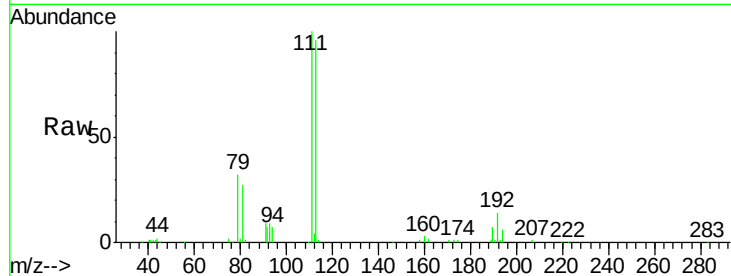




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

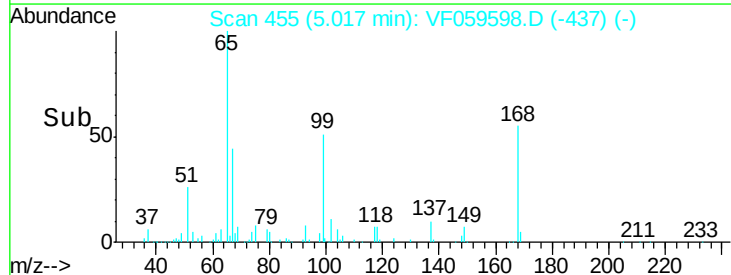
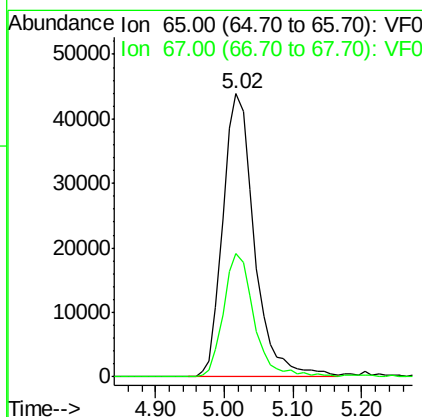
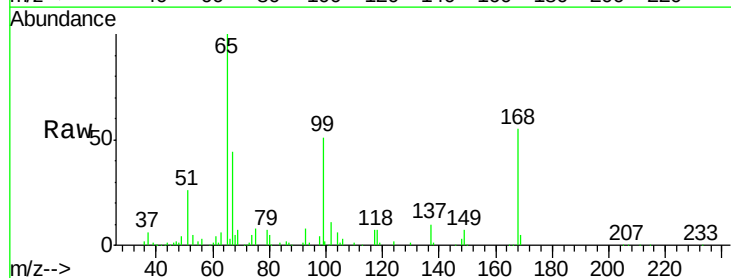
Instrument :
MSVOA_F
ClientSampled :

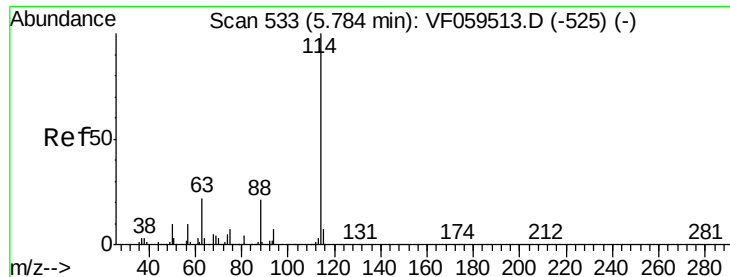
Tot Ion: 42 Resp: 493
Ion Ratio Lower Upper
42 100
72 13.6 28.7 43.1#
71 13.8 30.8 46.2#



#33
1,2-Dichloroethane-d4
Concen: 45.071 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion: 65 Resp: 139552
Ion Ratio Lower Upper
65 100
67 43.6 0.0 91.2

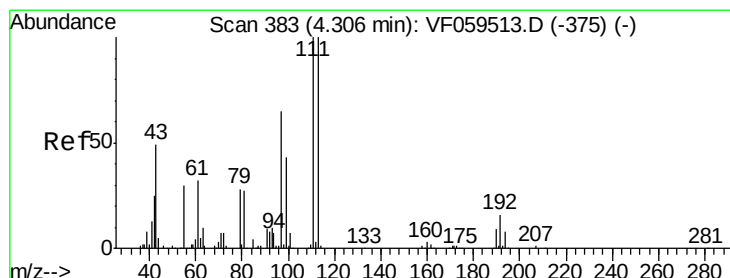
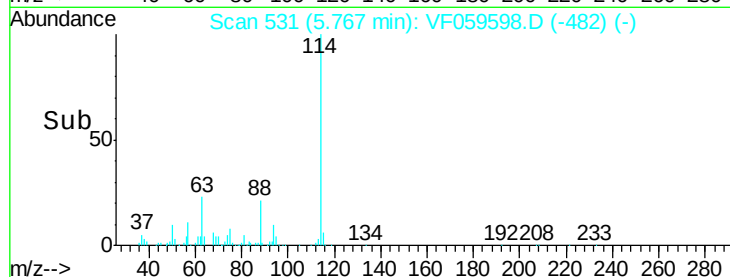
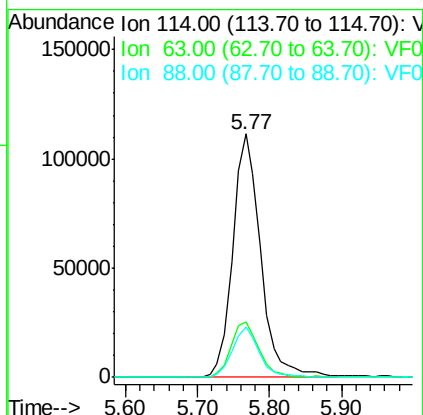
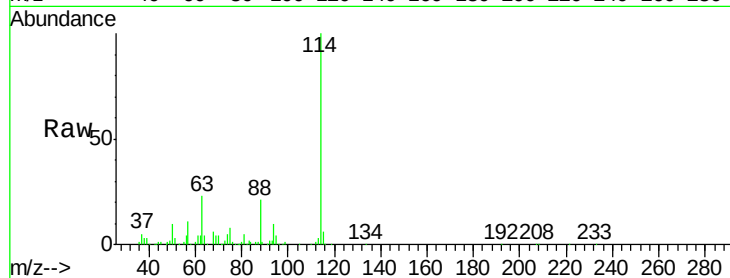




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

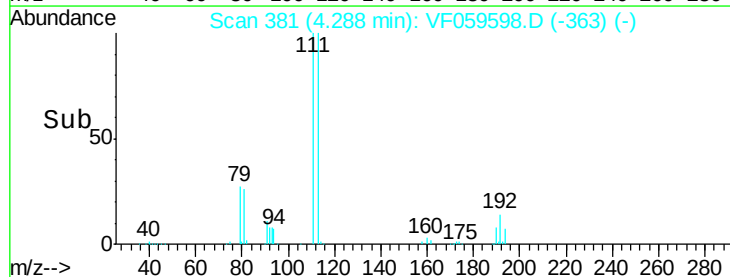
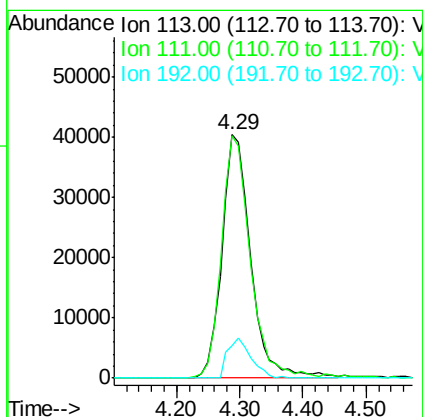
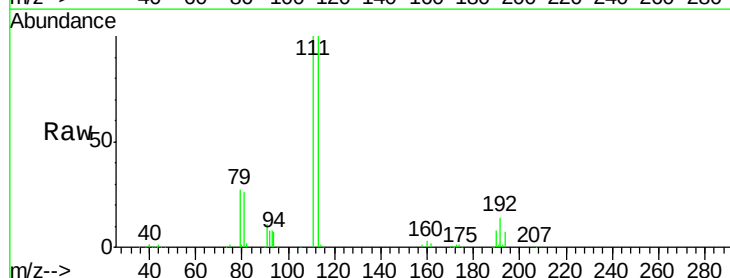
Instrument :
MSVOA_F
ClientSampled :

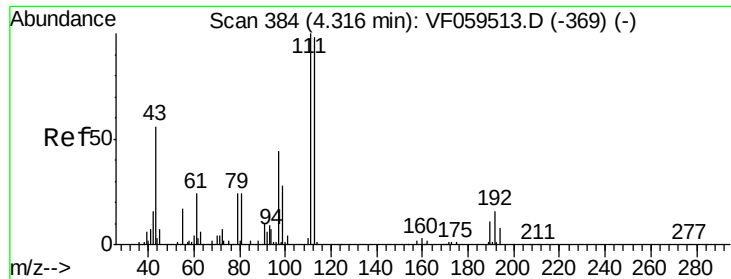
Tot Ion:114 Resp: 300792
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.8
88 20.8 0.0 42.6



#35
Dibromofluoromethane
Concen: 49.229 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion:113 Resp: 128246
Ion Ratio Lower Upper
113 100
111 99.8 80.3 120.5
192 13.5 13.1 19.7





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 380

Delta R.T. -0.04 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :

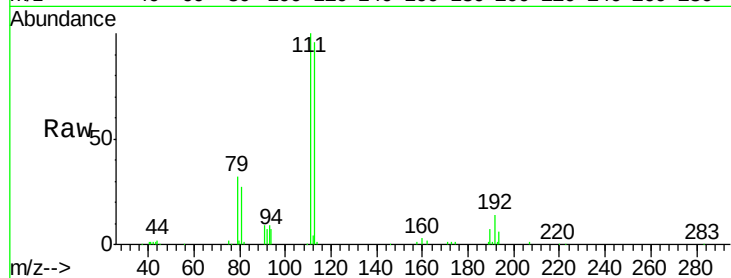
Tot Ion: 43 Resp: 556

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

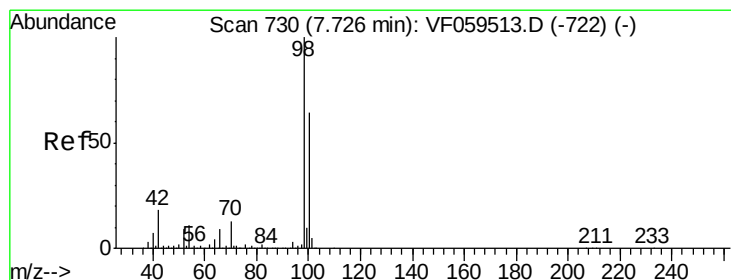
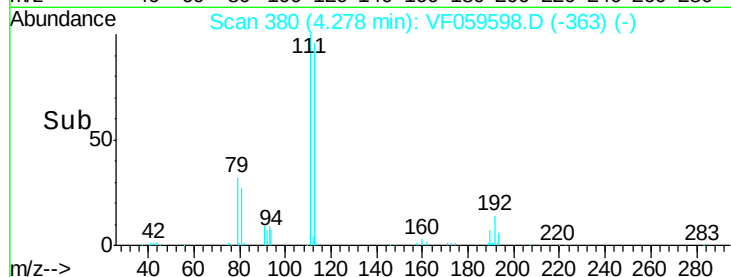
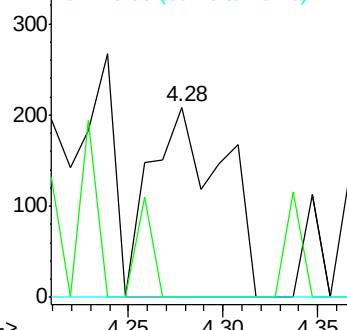
70 0.0 7.4 11.0#



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



#50

Toluene-d8

Concen: 36.688 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059598.D

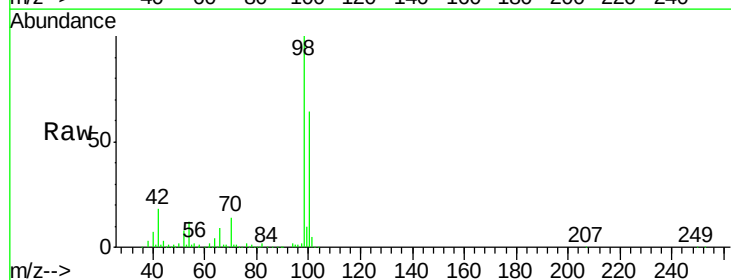
Acq: 20 Jul 2018 23:16

Tgt Ion: 98 Resp: 240748

Ion Ratio Lower Upper

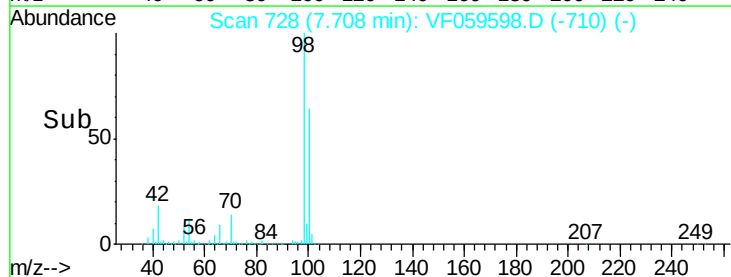
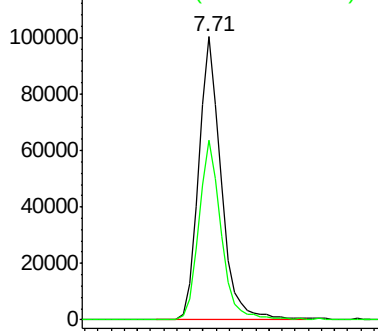
98 100

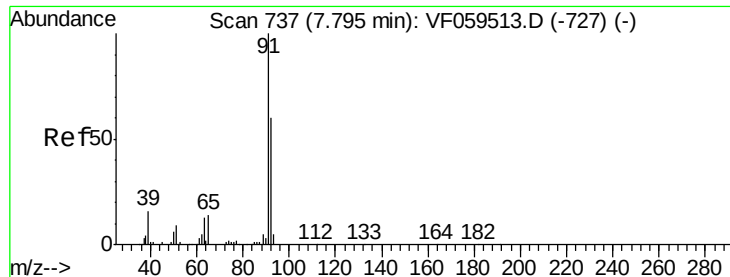
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

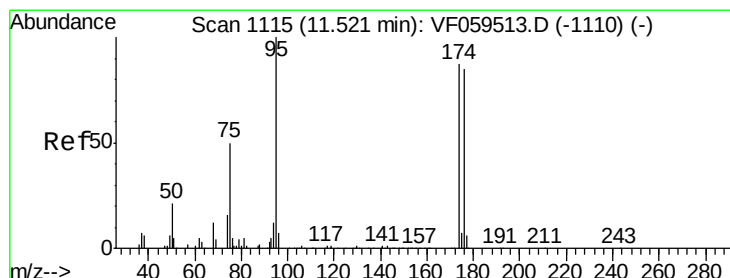
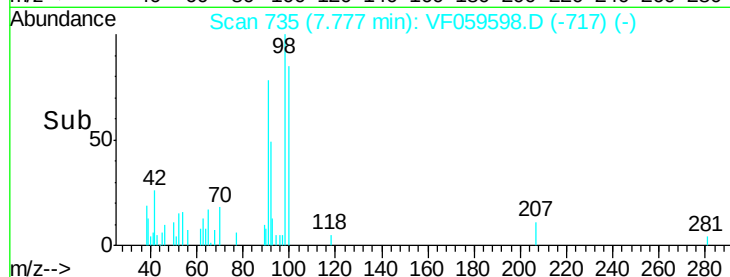
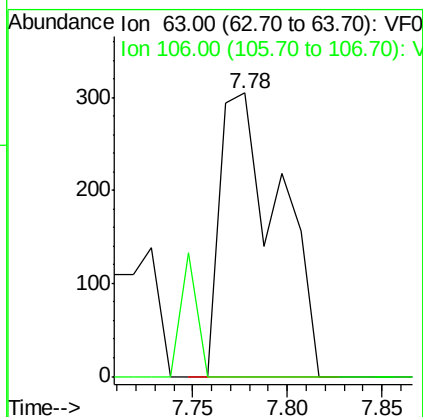
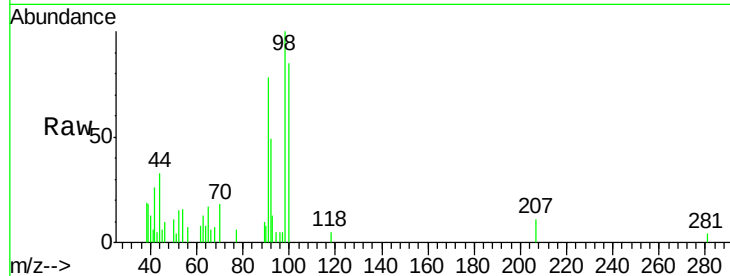




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.662 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: VF059598.D
 Acq: 20 Jul 2018 23:16

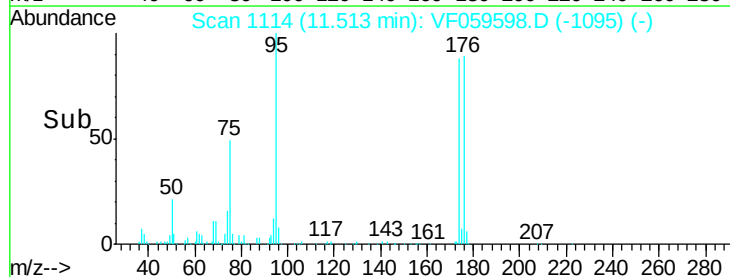
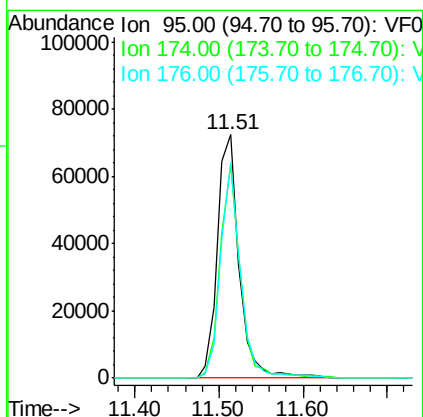
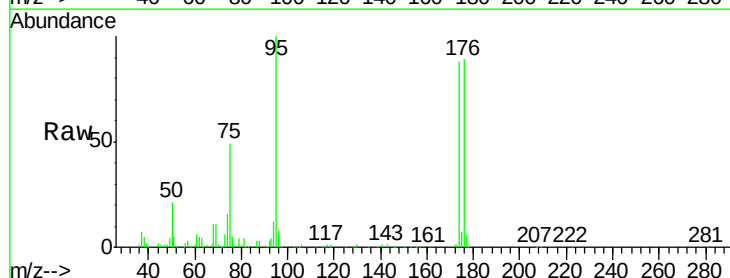
Instrument :
 MSVOA_F
 ClientSampleId :

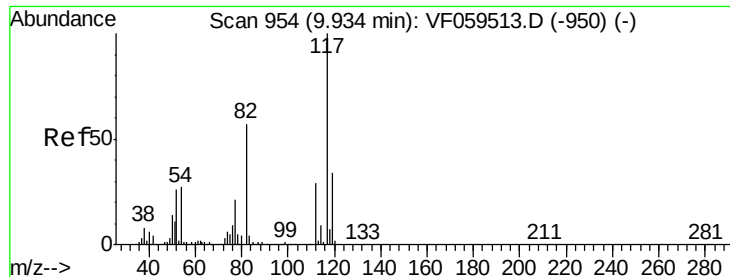
Tot Ion: 63 Resp: 658
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 37.944 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: VF059598.D
 Acq: 20 Jul 2018 23:16

Tgt Ion: 95 Resp: 130621
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 174.4
 176 88.5 0.0 169.4

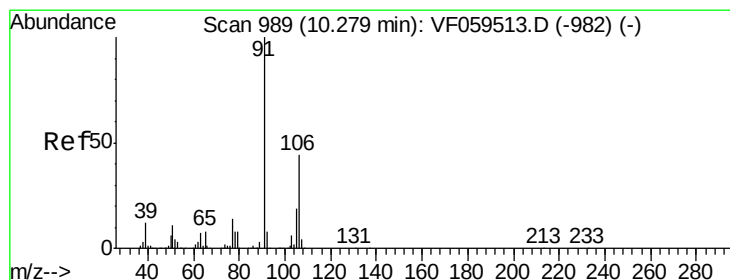
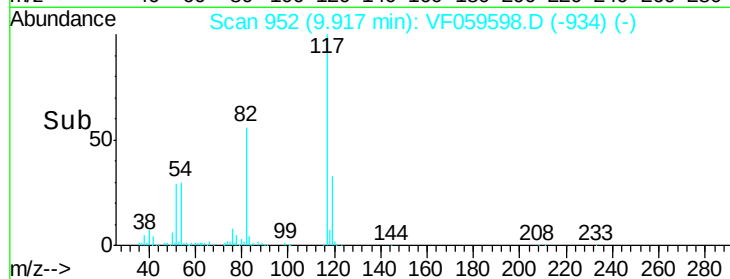
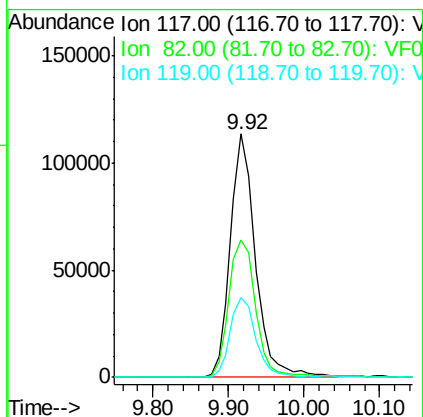
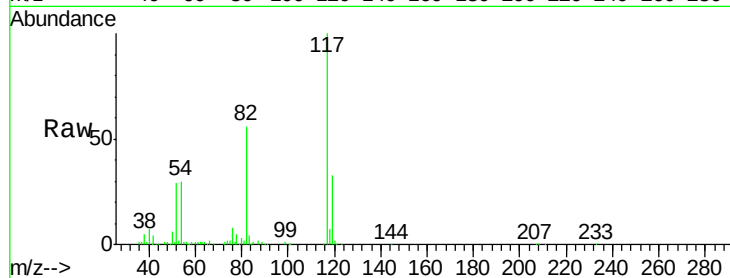




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

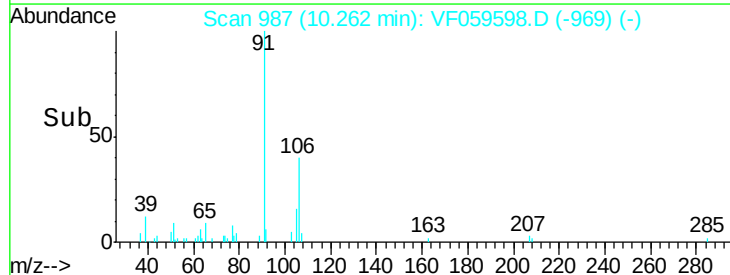
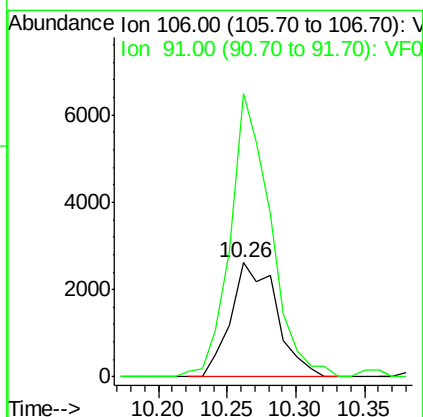
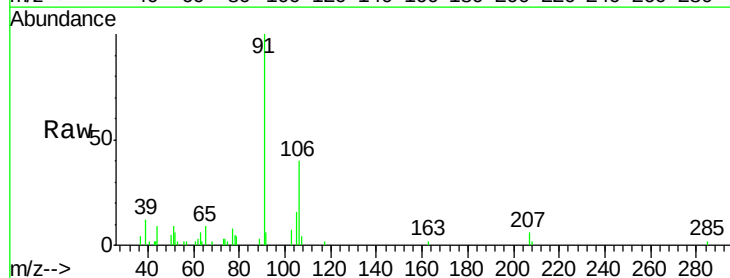
Instrument :
MSVOA_F
ClientSampleId :

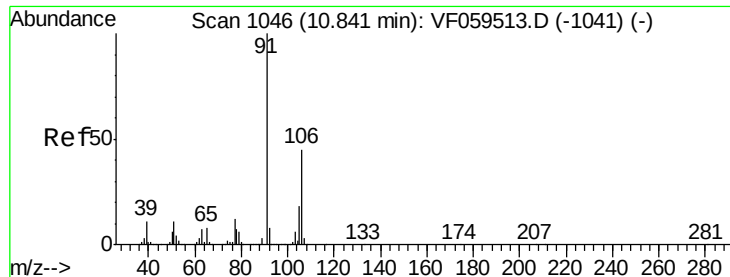
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.1	69.1
119	32.9	27.2	40.8



#68
m/p-Xylenes
Concen: 1.987 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	248.2	181.0	271.4

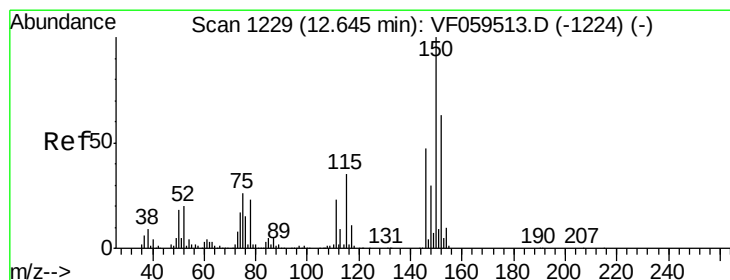
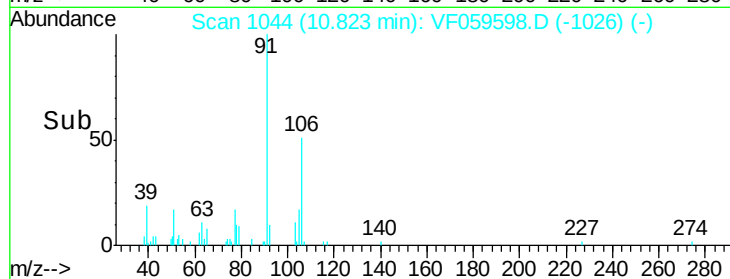
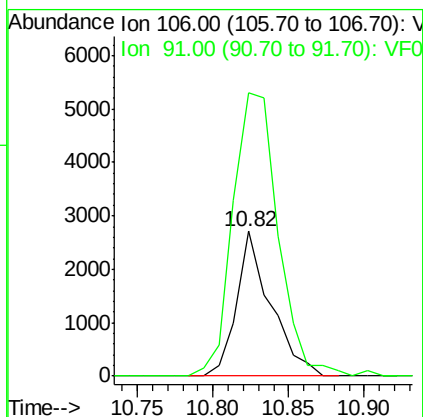
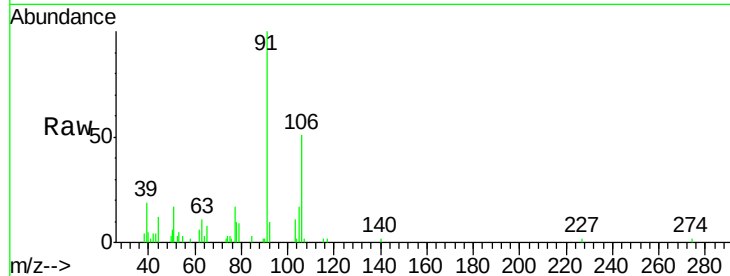




#69
o-Xylene
Concen: 1.305 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

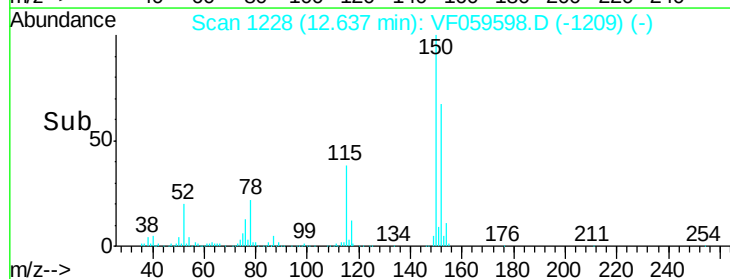
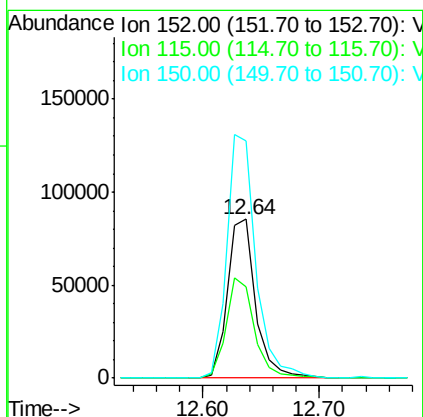
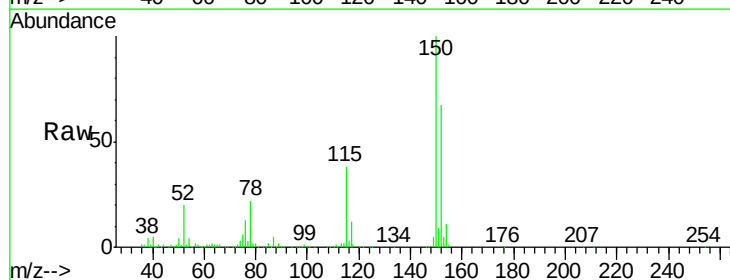
Instrument :
MSVOA_F
ClientSampled :

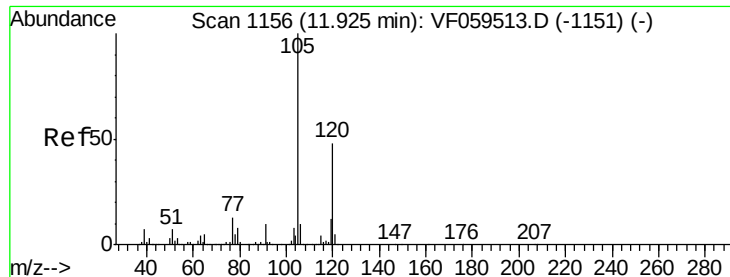
Tot Ion:106 Resp: 4262
Ion Ratio Lower Upper
106 100
91 195.3 112.3 336.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion:152 Resp: 144268
Ion Ratio Lower Upper
152 100
115 57.0 27.8 83.3
150 149.5 0.0 318.4





#80

1,3,5-Trimethylbenzene

Concen: 1.098 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

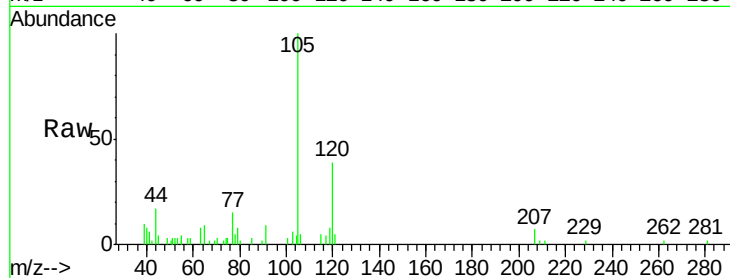
ClientSampled :

Tot Ion:105 Resp: 8373

Ion Ratio Lower Upper

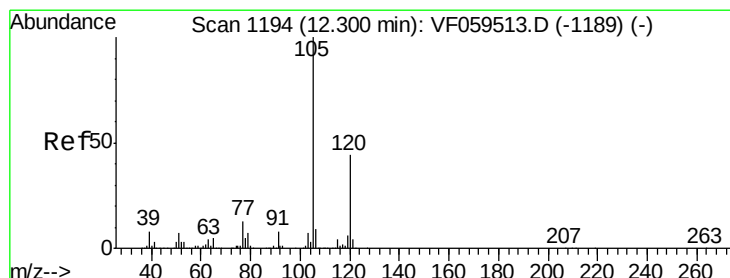
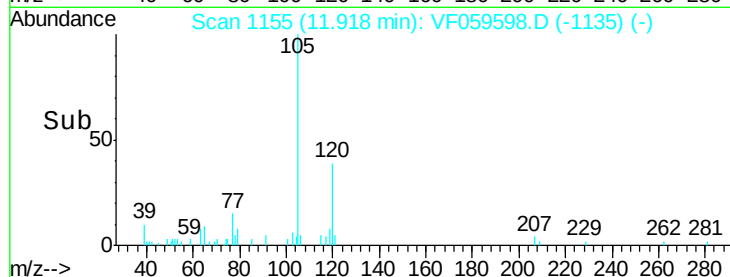
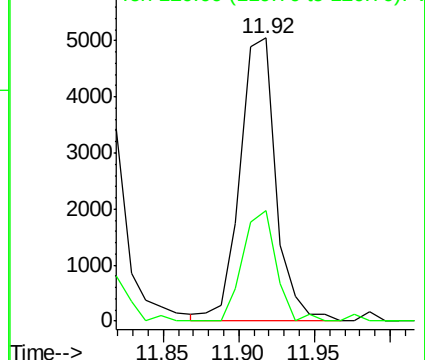
105 100

120 38.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.606 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VF059598.D

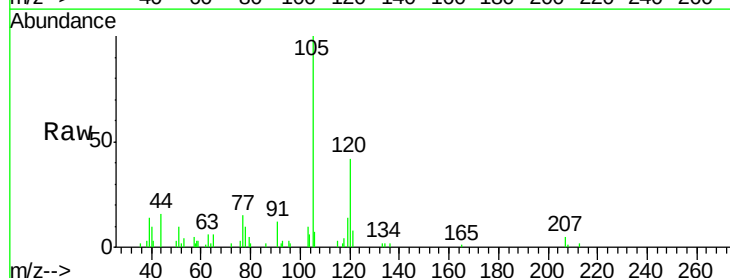
Acq: 20 Jul 2018 23:16

Tgt Ion:105 Resp: 12607

Ion Ratio Lower Upper

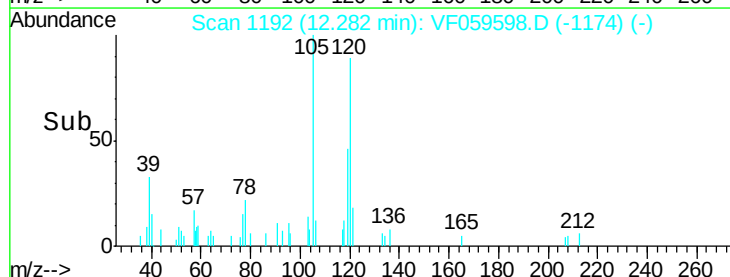
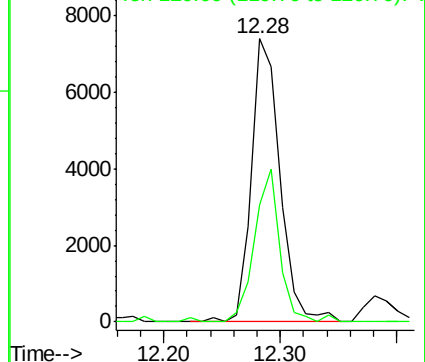
105 100

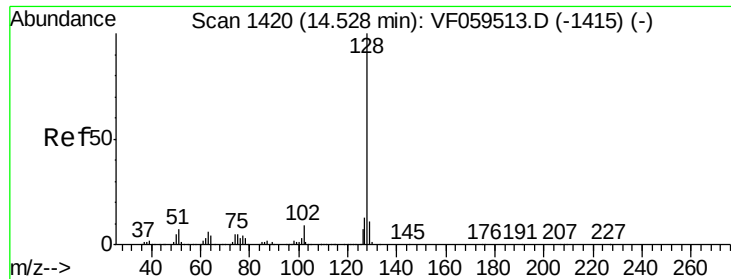
120 41.5 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.415 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

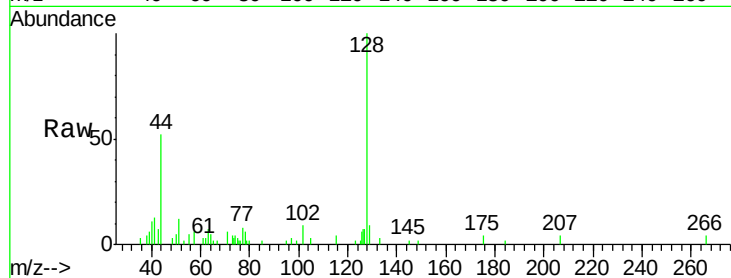
Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :



Tot Ion:	128	Resp:	7479
Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.2	15.2#
129	9.2	9.0	13.4

