

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060296.D
 Acq On : 20 Sep 2018 11:41
 Operator : VA/AP
 Sample : VF0920SBL01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBL01

Quant Time: Sep 20 15:44:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

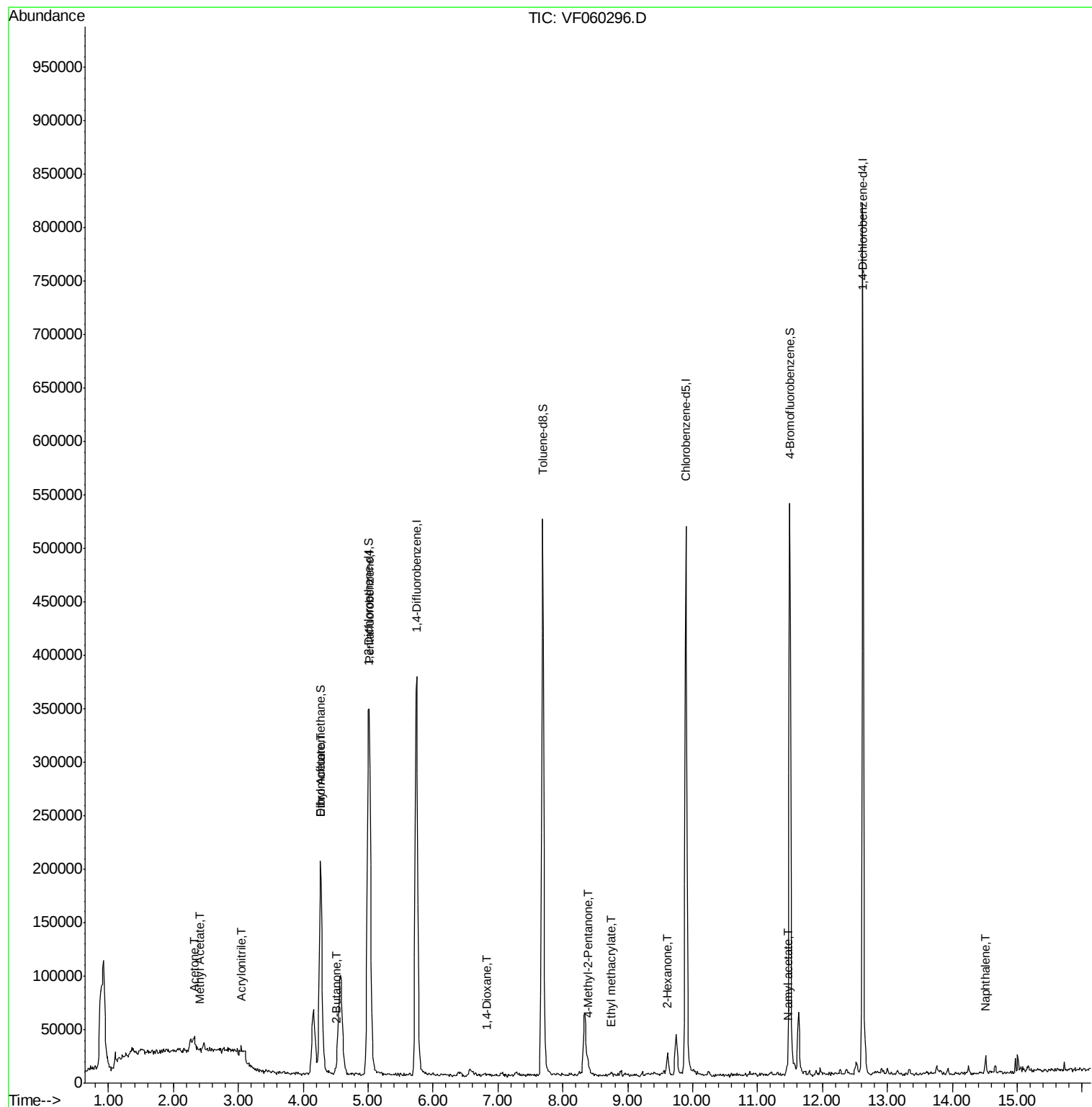
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	243455	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	420085	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	358112	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	197419	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	159488	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	4.27	113	182064	48.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	7.69	98	433169	44.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.84%	
62) 4-Bromofluorobenzene	11.49	95	198136	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	361	Below Cal	#	60
5) Bromomethane	1.33	94	801	Below Cal	#	71
11) Tert butyl alcohol	2.66	59	1709	Below Cal	#	1
13) Acrolein	2.07	56	1427	Below Cal	#	1
15) Acrylonitrile	3.06	53	1594	3.443	ug/l #	59
16) Acetone	2.33	43	10282	11.137	ug/l	94
17) Carbon Disulfide	1.87	76	491	Below Cal	#	70
18) Methyl Acetate	2.40	43	1590	1.034	ug/l #	91
20) Methylene Chloride	2.26	84	5192	Below Cal	#	72
25) 2-Butanone	4.49	43	1628	1.310	ug/l	99
37) Ethyl Acetate	4.26	43	2416	1.090	ug/l #	1
49) 1,4-Dioxane	6.83	88	89	5.317	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	8158	3.966	ug/l #	77
56) Ethyl methacrylate	8.74	69	3325	1.207	ug/l #	76
59) 2-Hexanone	9.61	43	19266	13.153	ug/l	93
74) N-amyl acetate	11.45	43	5466	1.446	ug/l #	90
78) n-propylbenzene	11.68	91	2622	Below Cal		97
85) sec-Butylbenzene	12.38	105	1700	Below Cal		87
86) p-Isopropyltoluene	12.53	119	2053	Below Cal	#	85
89) n-Butylbenzene	12.91	91	2854	Below Cal	#	78
95) Naphthalene	14.51	128	10034	1.156	ug/l #	94

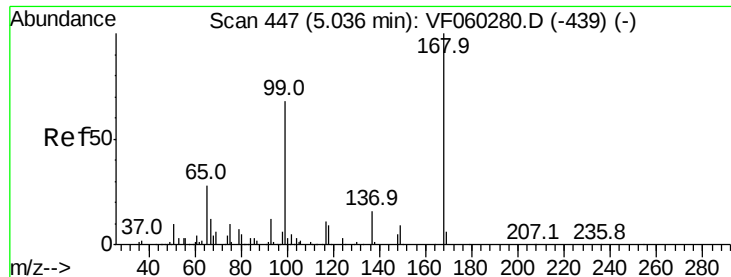
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092018\
Data File : VF060296.D
Acq On : 20 Sep 2018 11:41
Operator : VA/AP
Sample : VF0920SBL01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBL01

Quant Time: Sep 20 15:44:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

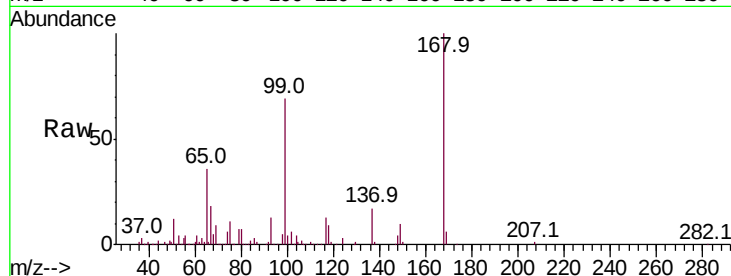
VF0920SBL01

Tot Ion:168 Resp: 243455

Ion Ratio Lower Upper

168 100

99 69.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

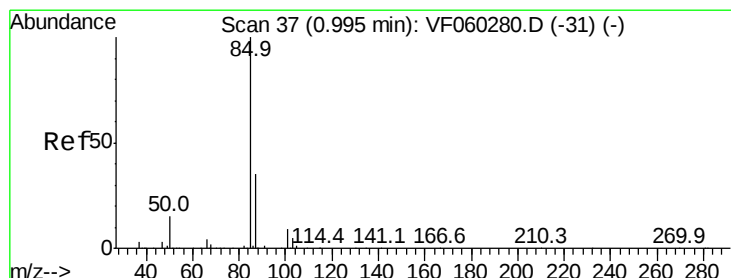
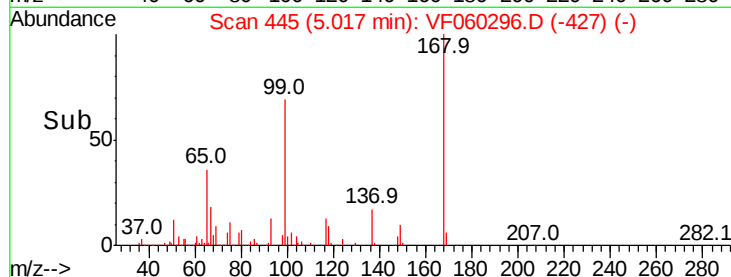
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060296.D

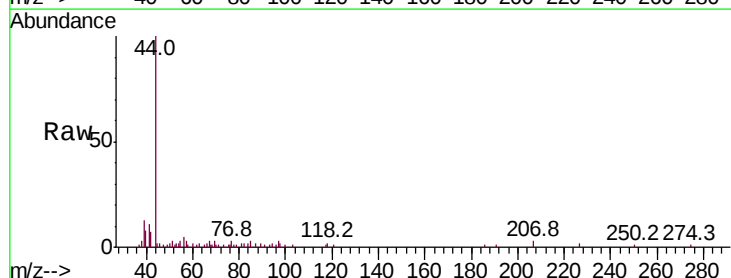
Acq: 20 Sep 2018 11:41

Tgt Ion: 85 Resp: 361

Ion Ratio Lower Upper

85 100

87 57.9 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

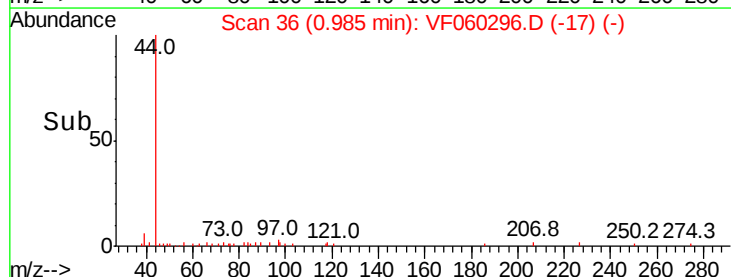
300

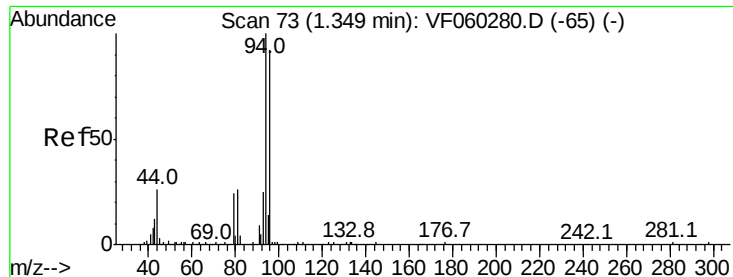
200

100

0

Time--> 0.96 0.98 1.00 1.02 1.04





#5

Bromomethane

Concen: Below Cal

RT: 1.33 min Scan# 71

Delta R.T. -0.02 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

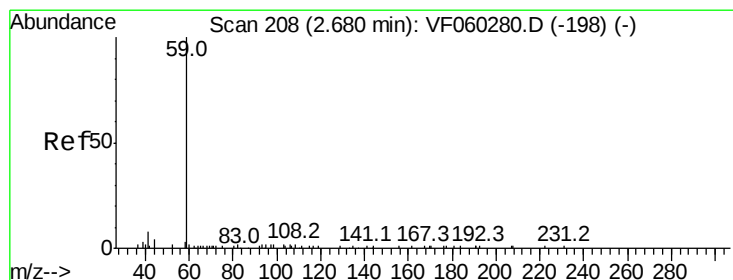
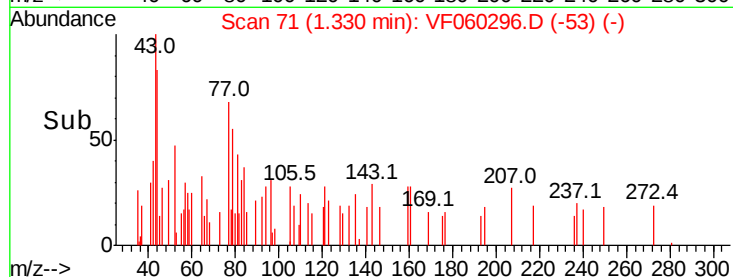
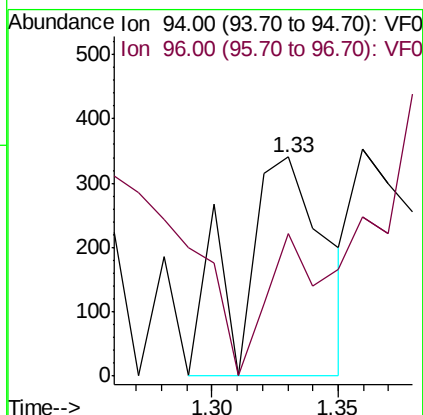
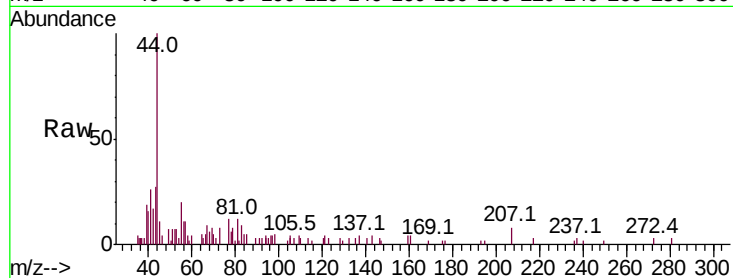
VF0920SBL01

Tot Ion: 94 Resp: 801

Ion Ratio Lower Upper

94 100

96 64.8 73.9 110.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 206

Delta R.T. -0.02 min

Lab File: VF060296.D

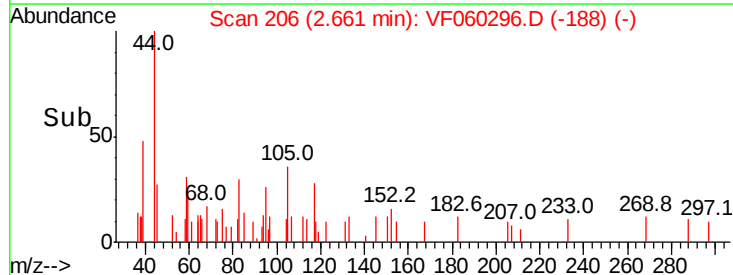
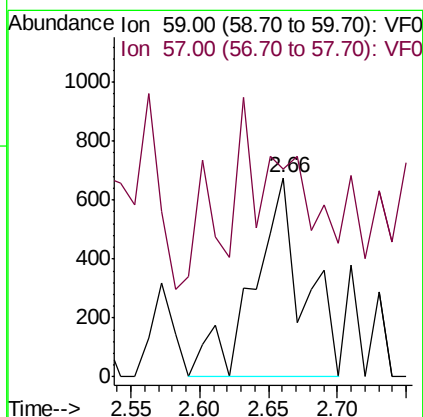
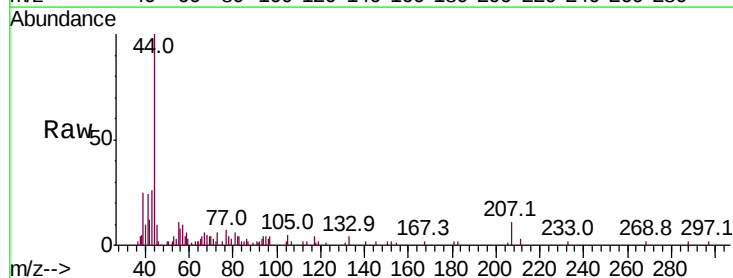
Acq: 20 Sep 2018 11:41

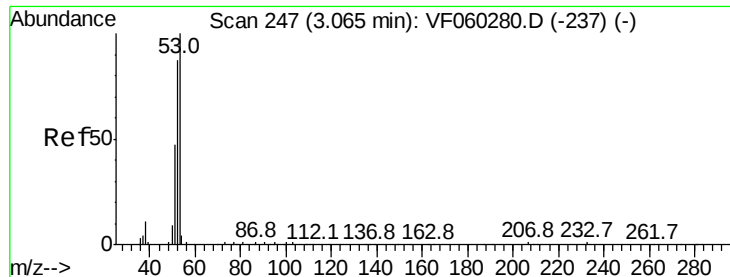
Tgt Ion: 59 Resp: 1709

Ion Ratio Lower Upper

59 100

57 104.4 12.4 18.6#





#15

Acrylonitrile

Concen: 3.443 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBL01

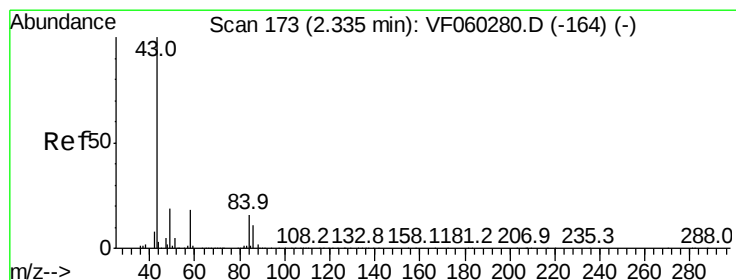
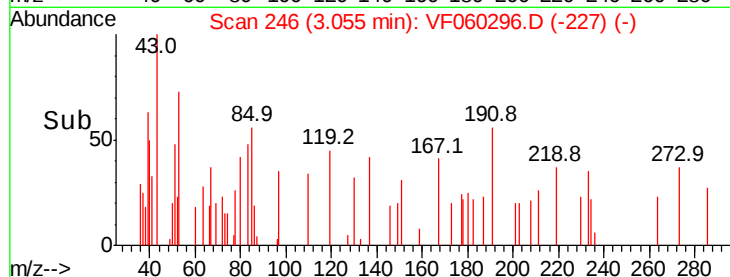
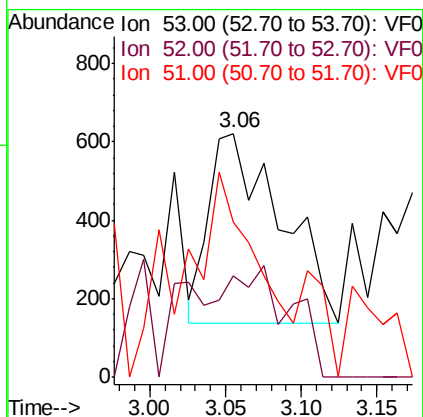
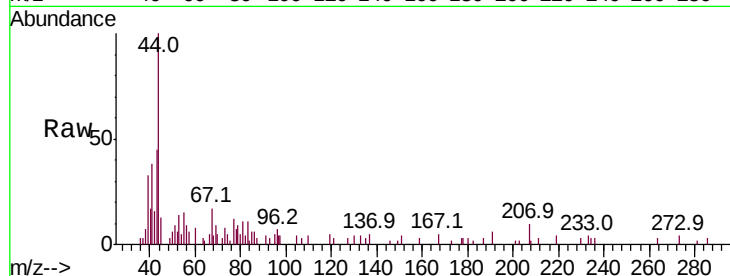
Tot Ion: 53 Resp: 1594

Ion Ratio Lower Upper

53 100

52 29.5 69.5 104.3#

51 45.5 38.1 57.1



#16

Acetone

Concen: 11.137 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060296.D

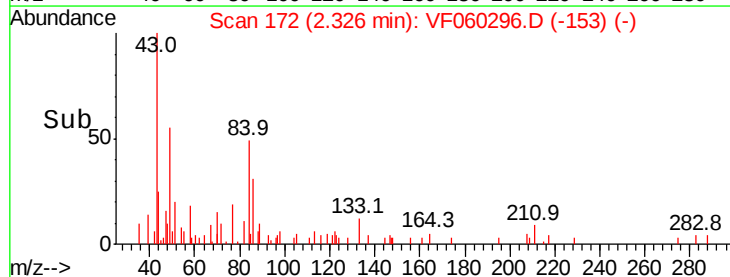
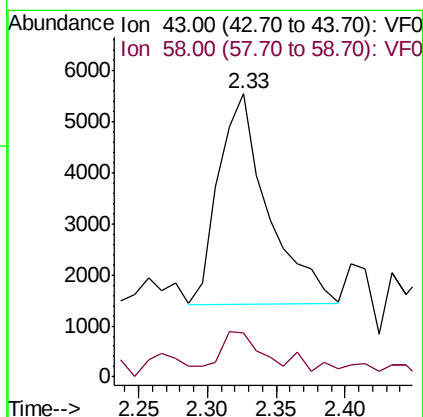
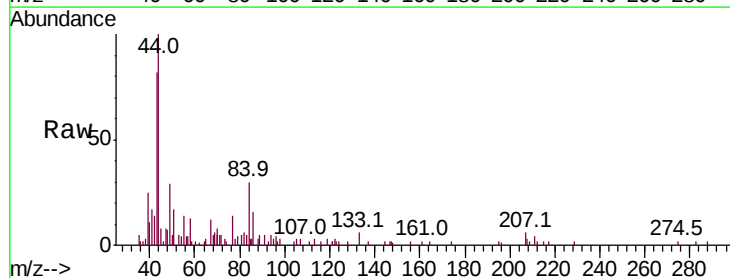
Acq: 20 Sep 2018 11:41

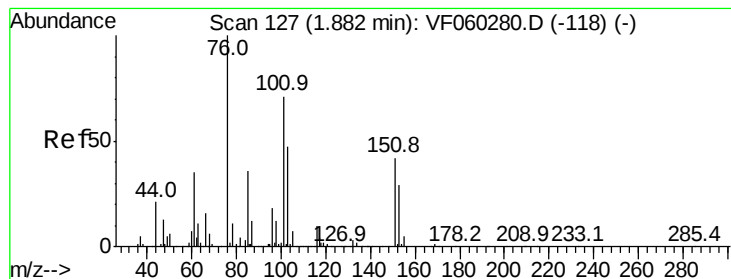
Tgt Ion: 43 Resp: 10282

Ion Ratio Lower Upper

43 100

58 15.4 14.5 21.7





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

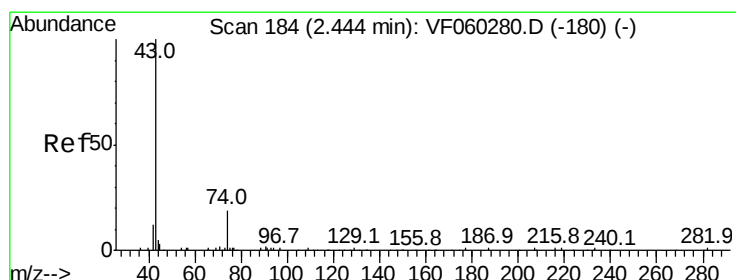
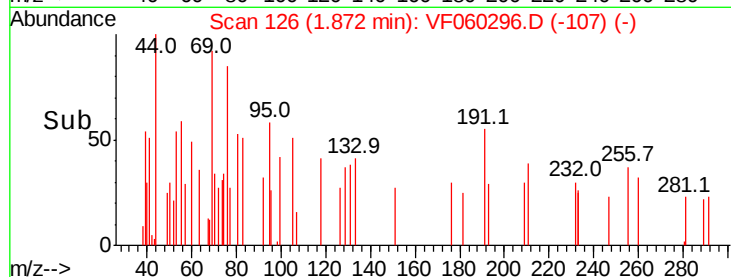
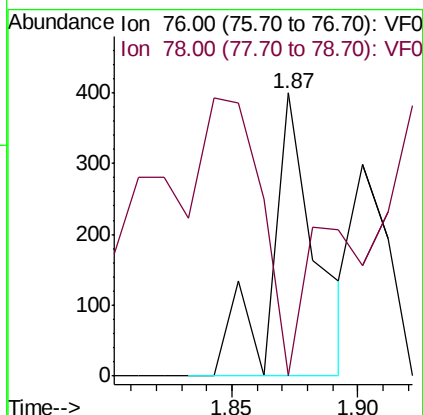
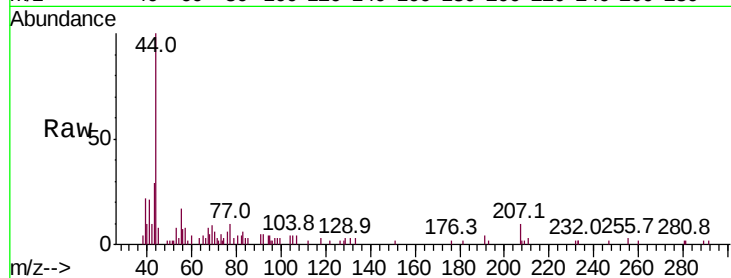
VF0920SBL01

Tot Ion: 76 Resp: 491

Ion Ratio Lower Upper

76 100

78 0.0 9.4 14.0#



#18

Methyl Acetate

Concen: 1.034 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.04 min

Lab File: VF060296.D

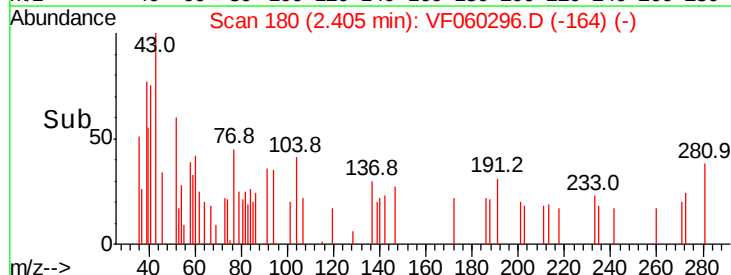
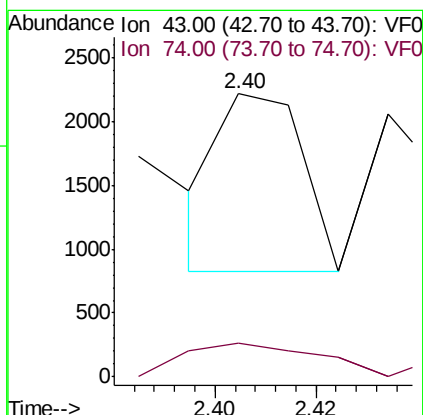
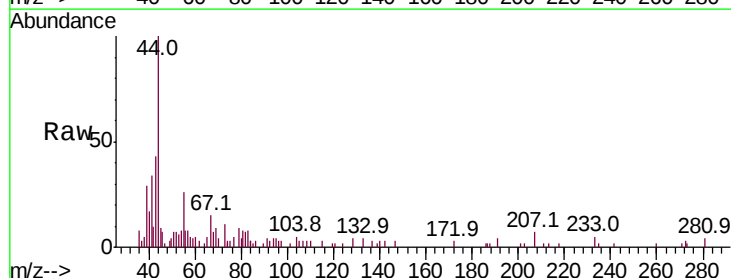
Acq: 20 Sep 2018 11:41

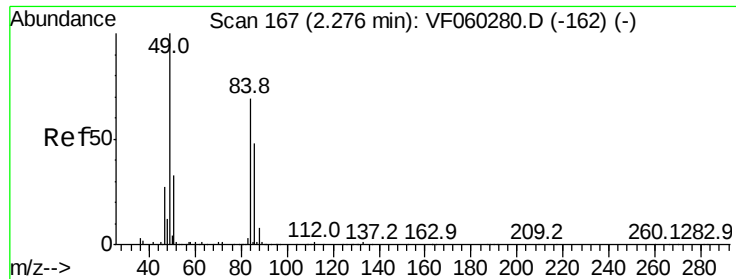
Tgt Ion: 43 Resp: 1590

Ion Ratio Lower Upper

43 100

74 11.9 12.7 19.1#

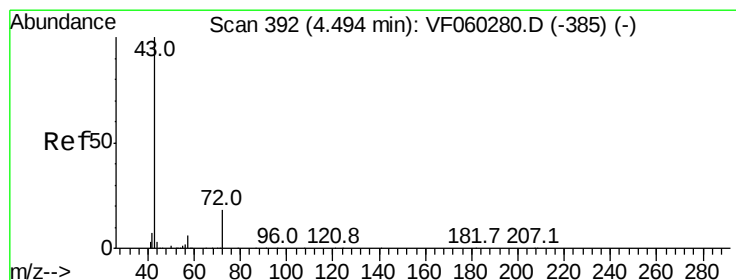
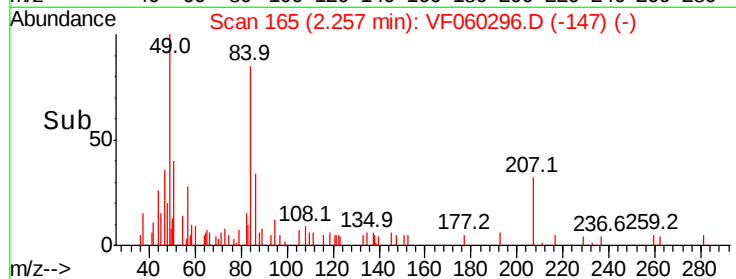
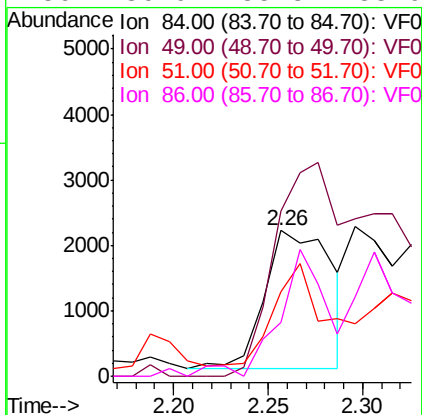
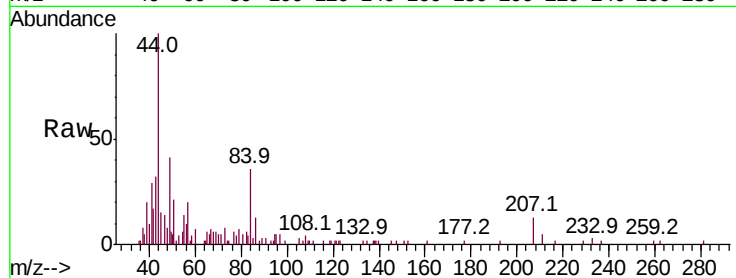




#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.02 min
Lab File: VF060296.D
Acq: 20 Sep 2018 11:41

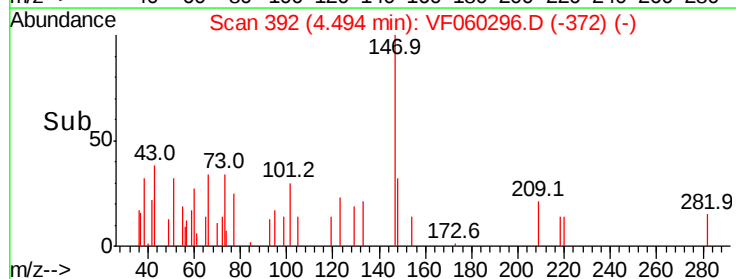
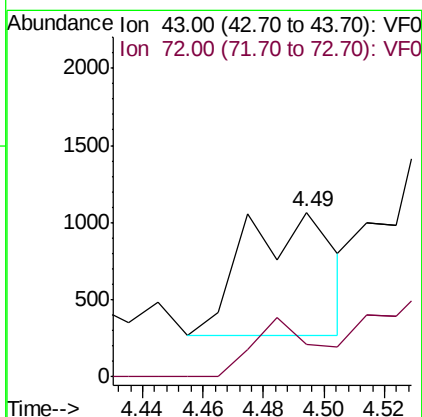
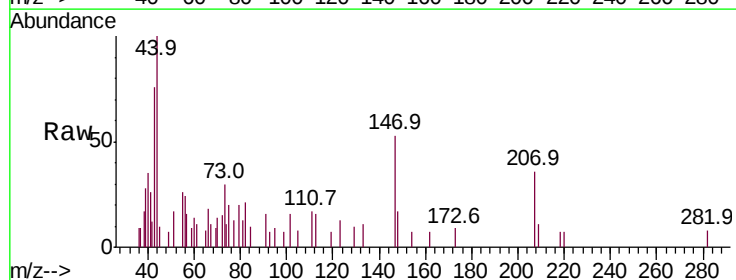
Instrument :
MSVOA_F
ClientSampleID :
VF0920SBL01

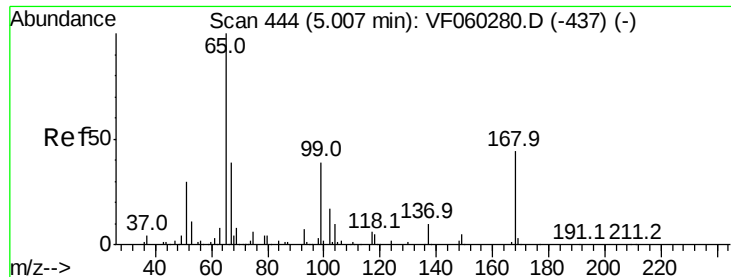
Tot Ion: 84 Resp: 5192
Ion Ratio Lower Upper
84 100
49 113.0 118.3 177.5#
51 57.8 38.7 58.1
86 36.9 55.8 83.6#



#25
2-Butanone
Concen: 1.310 ug/l
RT: 4.49 min Scan# 392
Delta R.T. 0.00 min
Lab File: VF060296.D
Acq: 20 Sep 2018 11:41

Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
72 19.7 16.2 24.2

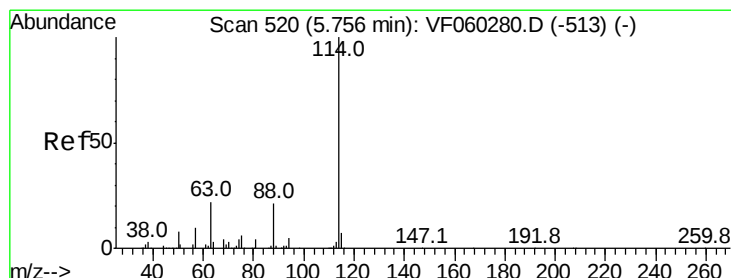
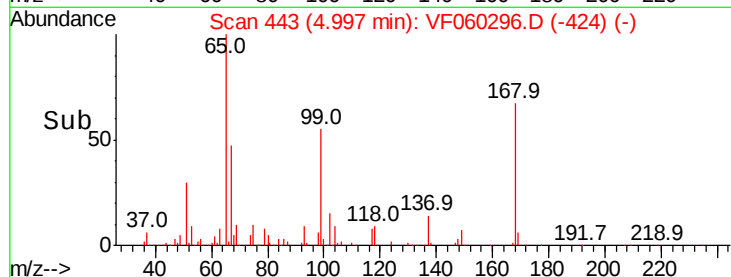
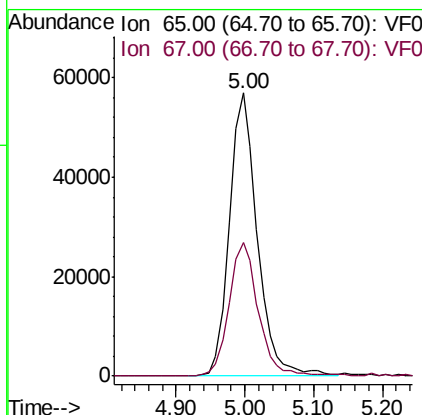
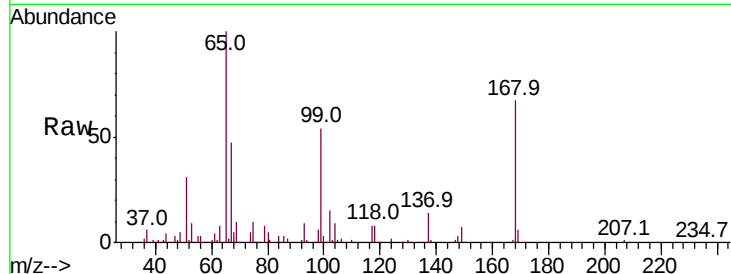




#33
 1,2-Dichloroethane-d4
 Concen: 48.651 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060296.D
 Acq: 20 Sep 2018 11:41

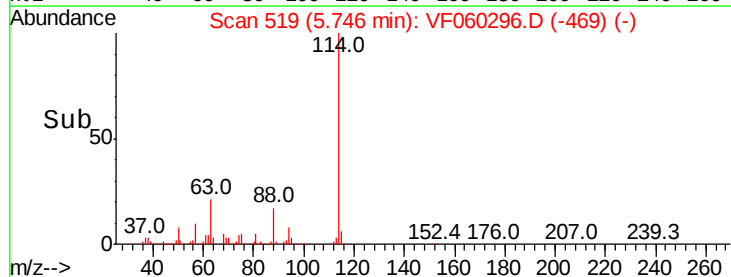
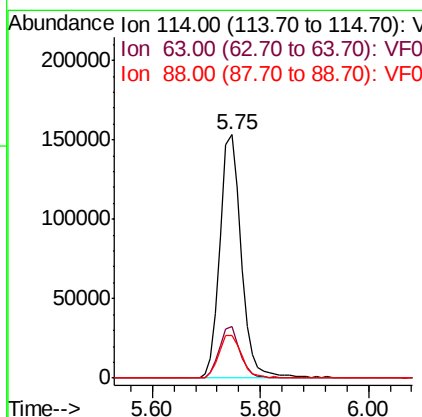
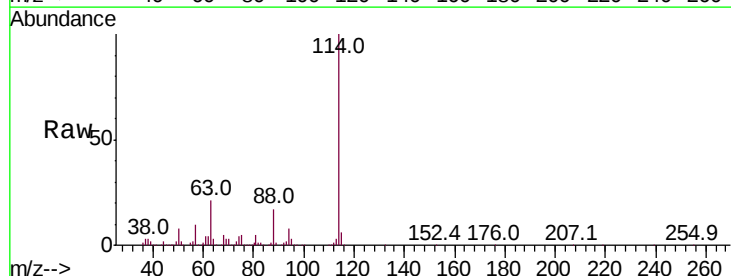
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBL01

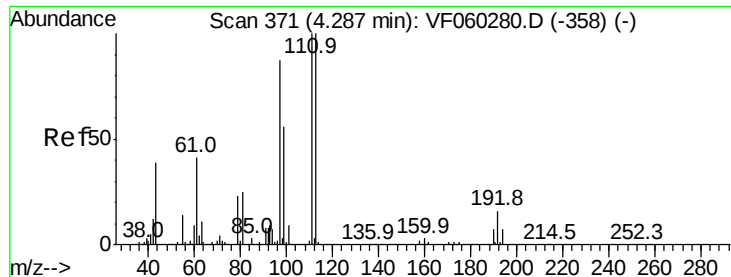
Tot Ion: 65 Resp: 159488
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060296.D
 Acq: 20 Sep 2018 11:41

Tgt Ion: 114 Resp: 420085
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.8
 88 17.5 0.0 41.2

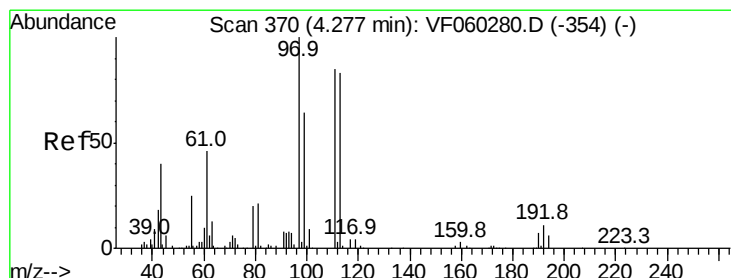
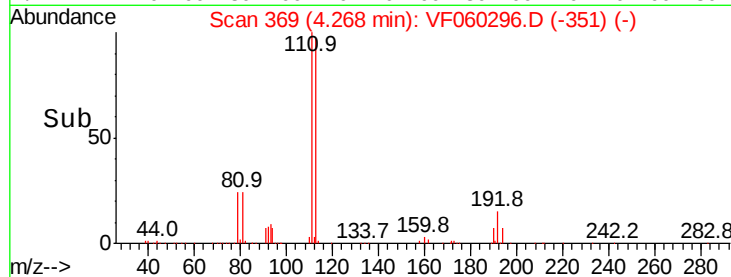
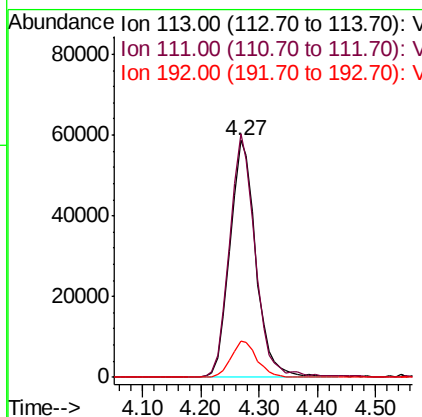
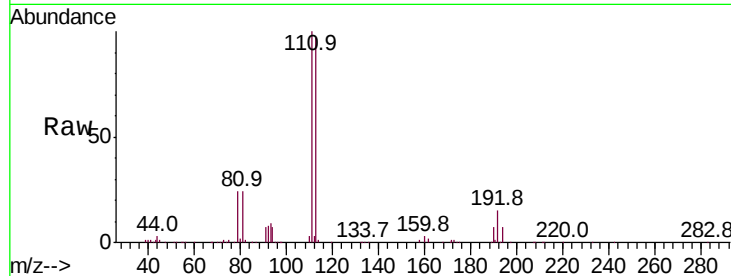




#35
 Dibromofluoromethane
 Concen: 48.619 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF060296.D
 Acq: 20 Sep 2018 11:41

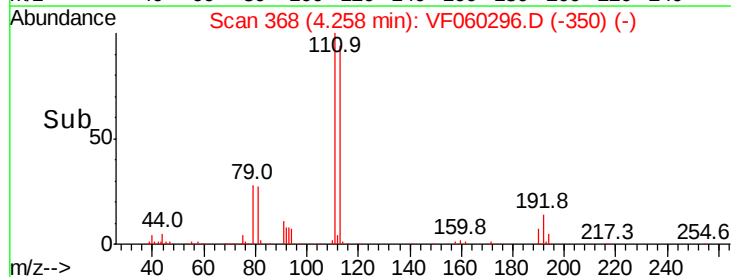
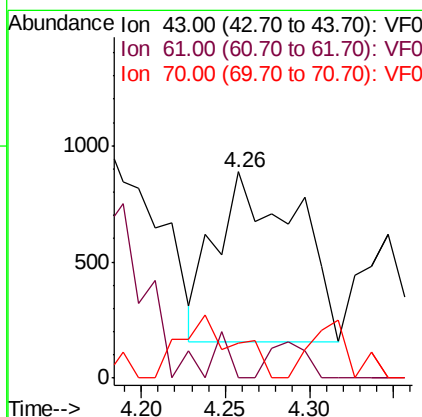
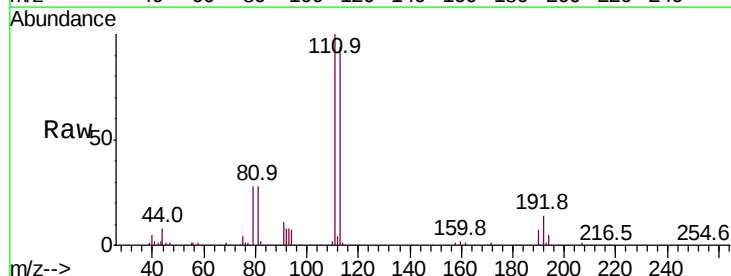
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBL01

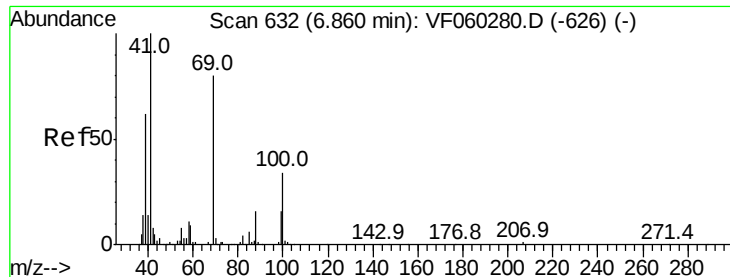
Tot Ion:113 Resp: 182064
 Ion Ratio Lower Upper
 113 100
 111 102.9 79.6 119.4
 192 15.4 13.0 19.6



#37
 Ethyl Acetate
 Concen: 1.090 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.02 min
 Lab File: VF060296.D
 Acq: 20 Sep 2018 11:41

Tgt Ion: 43 Resp: 2416
 Ion Ratio Lower Upper
 43 100
 61 0.0 91.1 136.7#
 70 16.8 6.9 10.3#





#49

1,4-Dioxane

Concen: 5.317 ug/l

RT: 6.83 min Scan# 629

Delta R.T. -0.03 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBL01

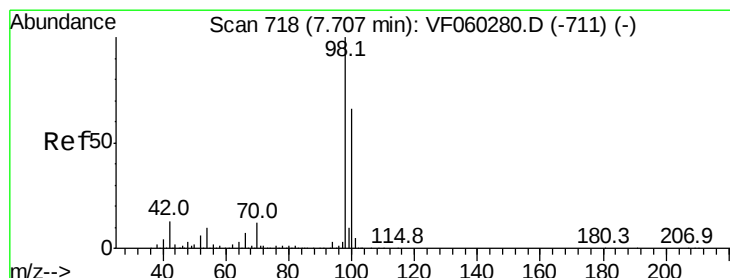
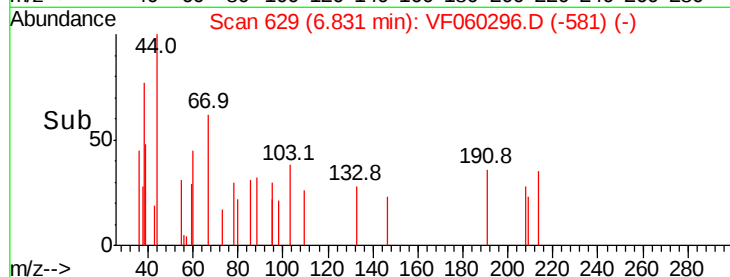
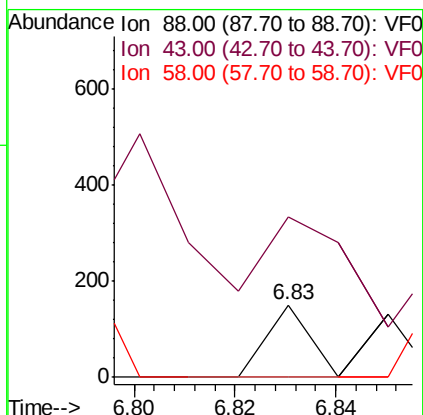
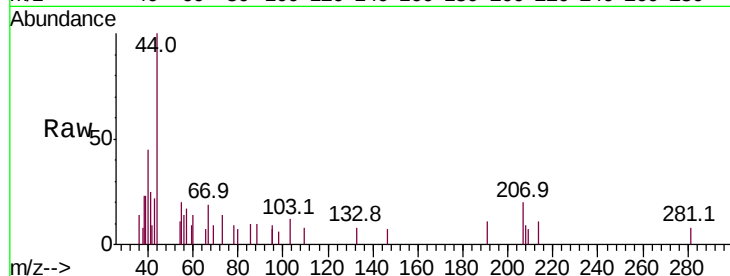
Tot Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 221.2 40.2 60.4#

58 0.0 56.7 85.1#



#50

Toluene-d8

Concen: 44.418 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060296.D

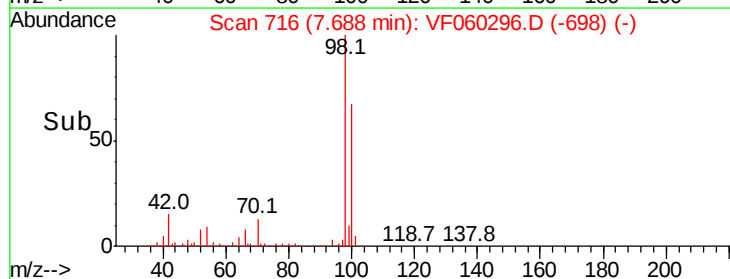
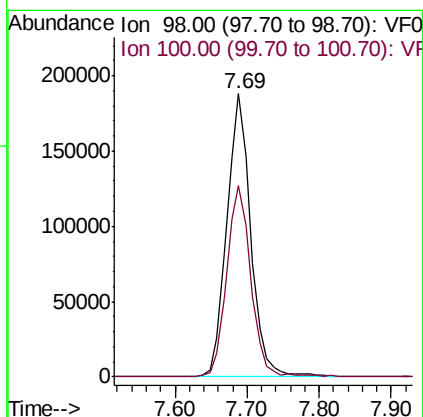
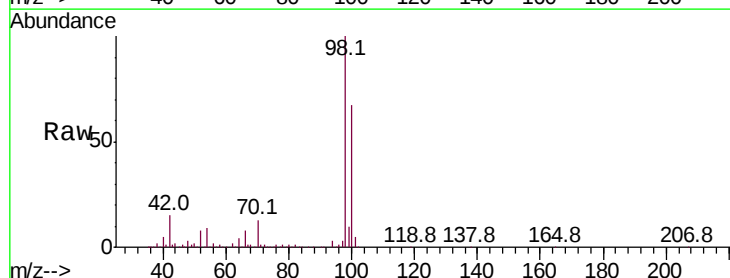
Acq: 20 Sep 2018 11:41

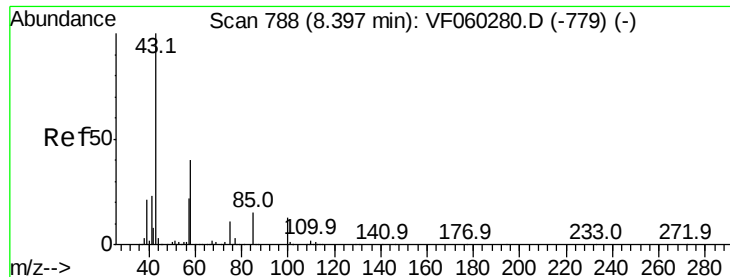
Tgt Ion: 98 Resp: 433169

Ion Ratio Lower Upper

98 100

100 67.5 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 3.966 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

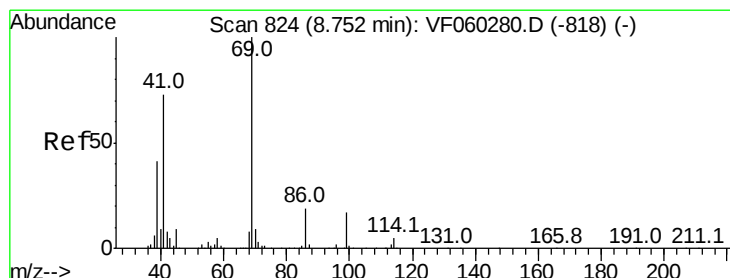
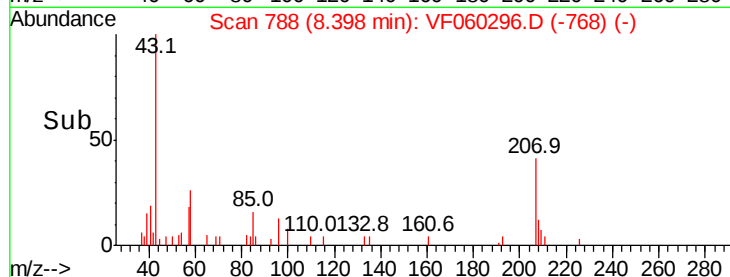
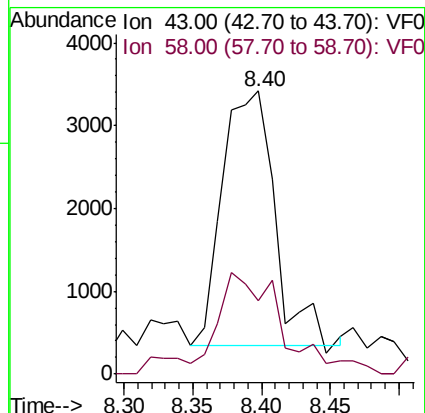
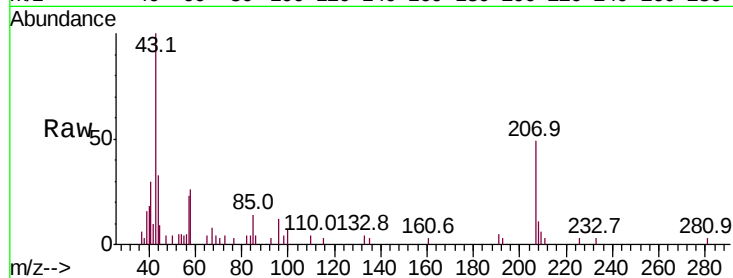
VF0920SBL01

Tot Ion: 43 Resp: 8158

Ion Ratio Lower Upper

43 100

58 25.9 31.8 47.8#



#56

Ethyl methacrylate

Concen: 1.207 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

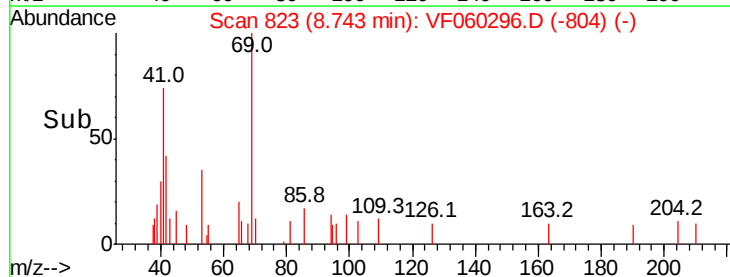
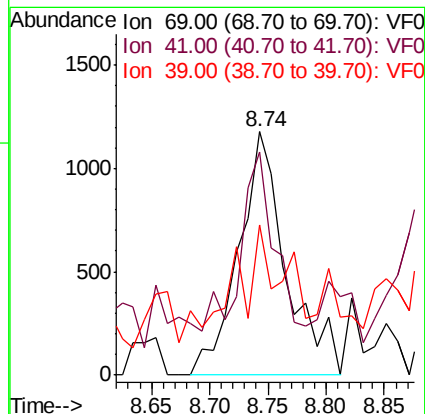
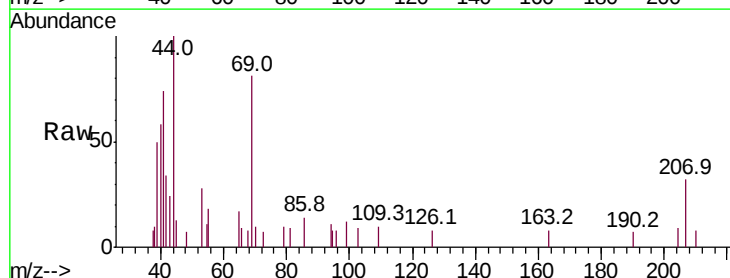
Tgt Ion: 69 Resp: 3325

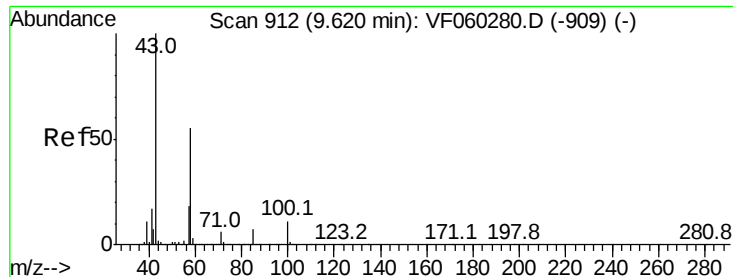
Ion Ratio Lower Upper

69 100

41 91.6 59.4 89.2#

39 61.6 33.5 50.3#

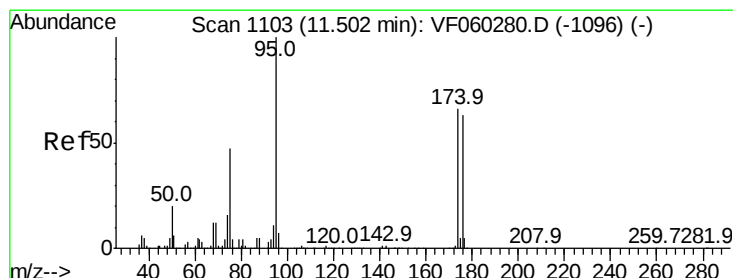
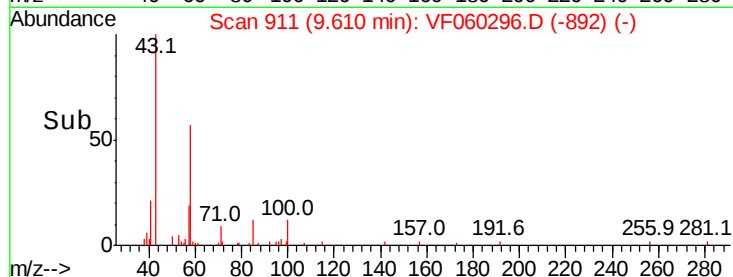
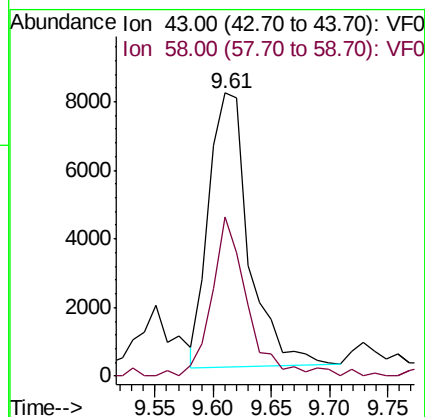
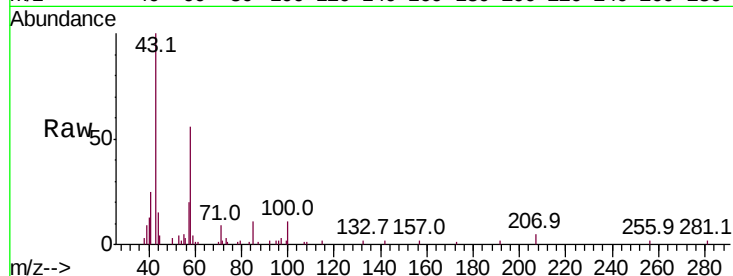




#59
2-Hexanone
Concen: 13.153 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060296.D
Acq: 20 Sep 2018 11:41

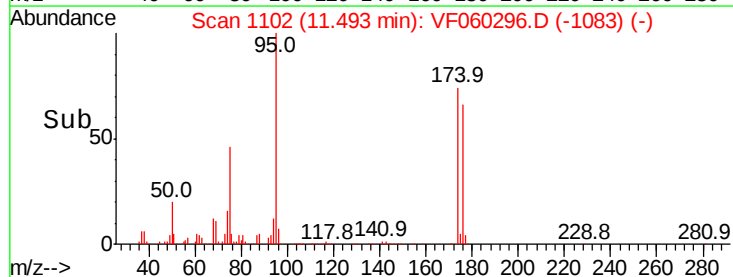
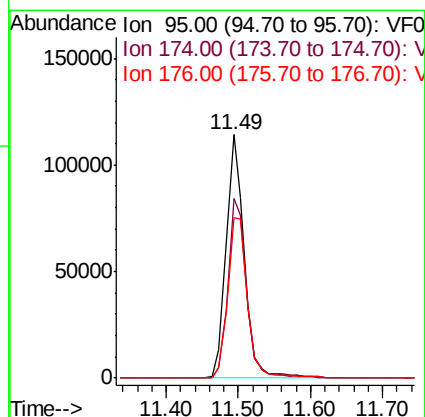
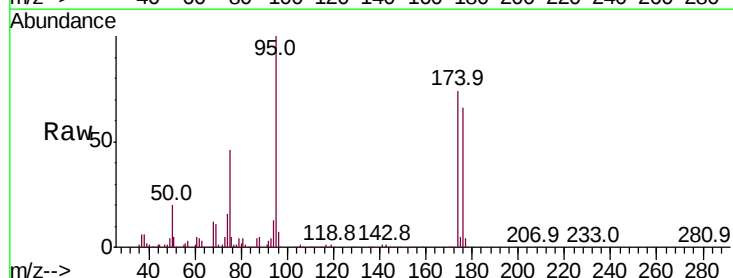
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBL01

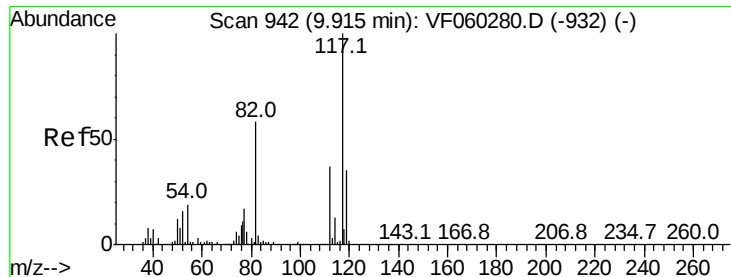
Tot Ion: 43 Resp: 19266
Ion Ratio Lower Upper
43 100
58 56.4 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 47.001 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VF060296.D
Acq: 20 Sep 2018 11:41

Tgt Ion: 95 Resp: 198136
Ion Ratio Lower Upper
95 100
174 73.7 0.0 131.2
176 65.9 0.0 126.6

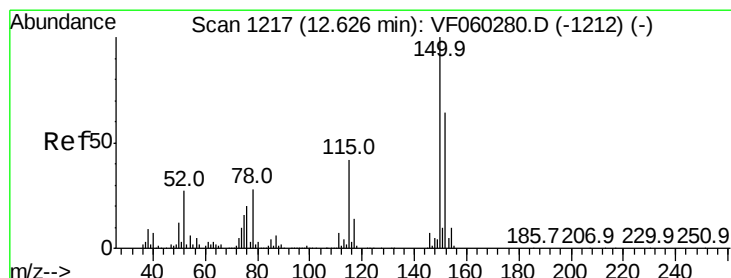
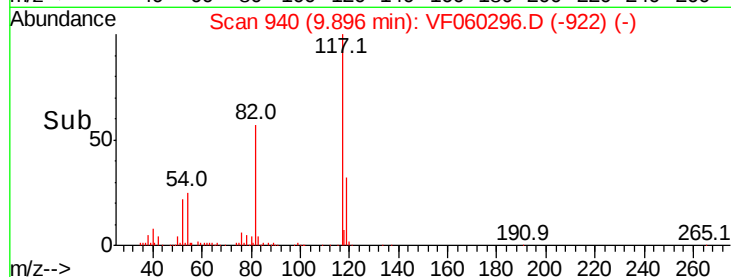
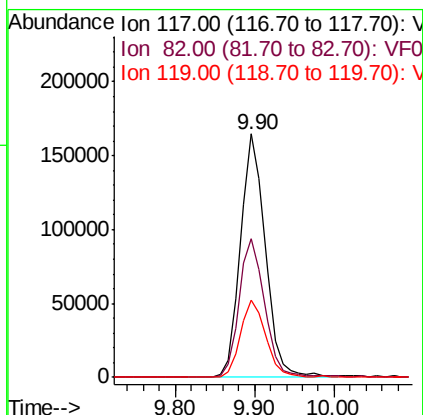
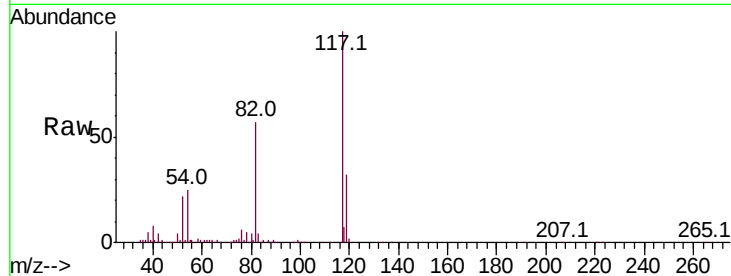




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060296.D
Acq: 20 Sep 2018 11:41

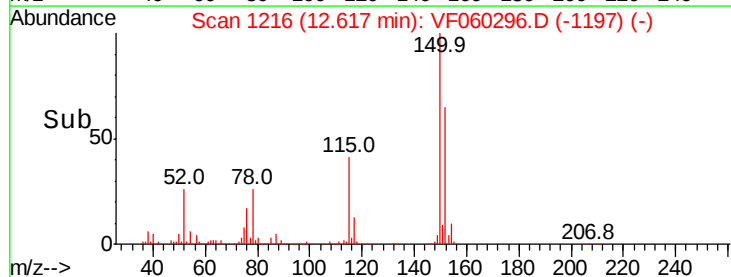
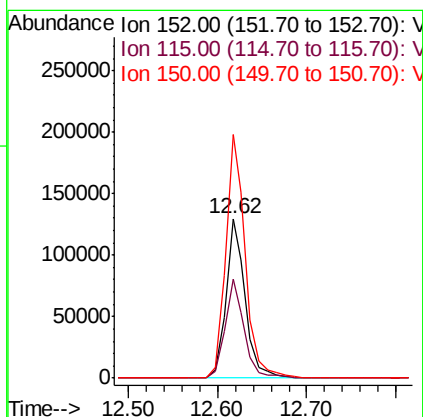
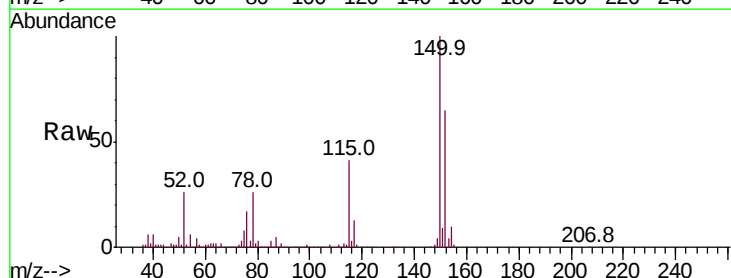
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBL01

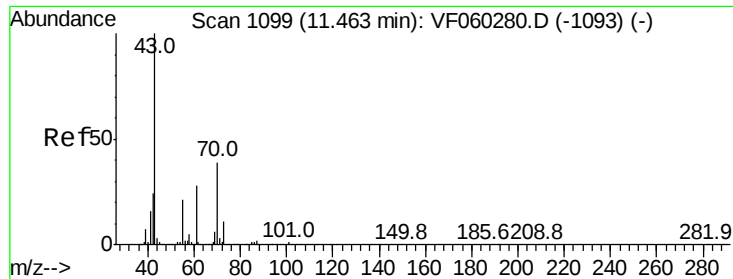
Tot Ion:117 Resp: 358112
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.2
119 31.6 27.8 41.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060296.D
Acq: 20 Sep 2018 11:41

Tgt Ion:152 Resp: 197419
Ion Ratio Lower Upper
152 100
115 62.3 32.6 97.8
150 152.9 0.0 314.2





#74

N-amvl acetate

Concen: 1.446 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBL01

Tot Ion: 43 Resp: 5466

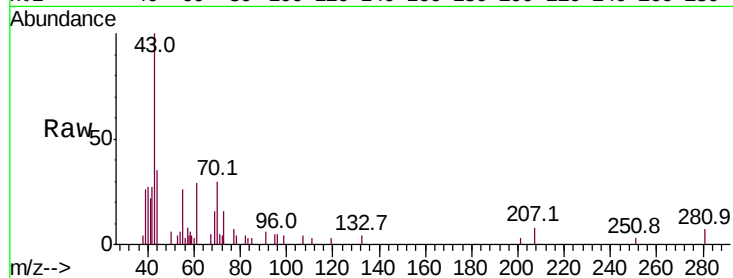
Ion Ratio Lower Upper

43 100

70 30.5 31.4 47.2#

55 26.1 16.8 25.2#

61 29.3 22.6 34.0



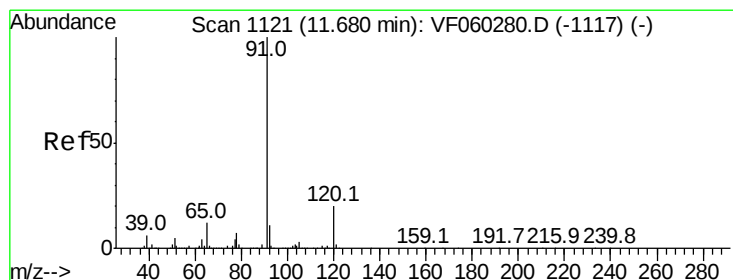
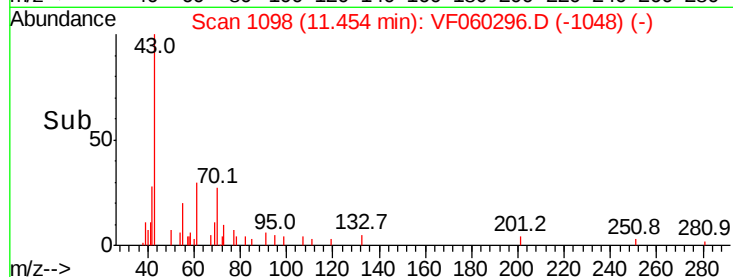
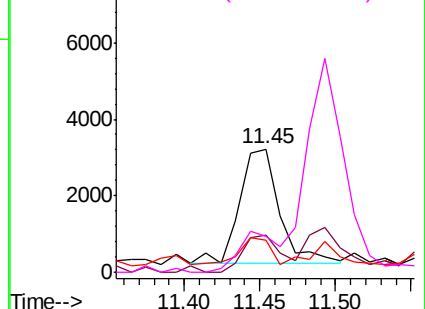
Abundance

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



#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060296.D

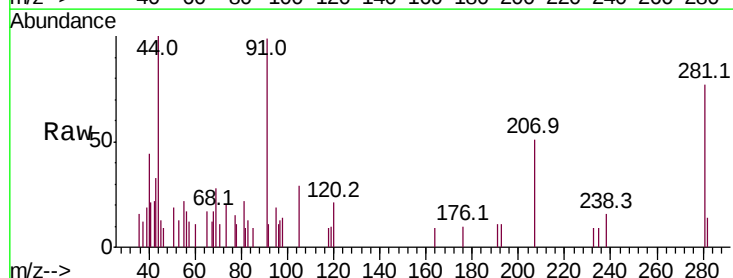
Acq: 20 Sep 2018 11:41

Tgt Ion: 91 Resp: 2622

Ion Ratio Lower Upper

91 100

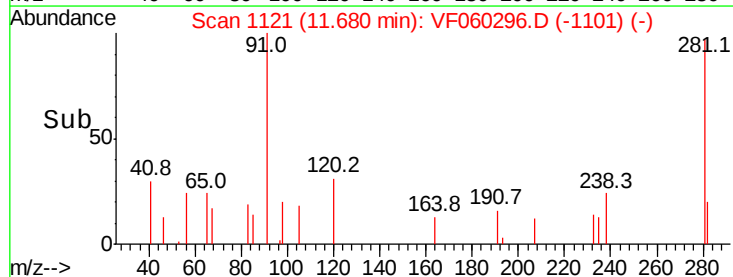
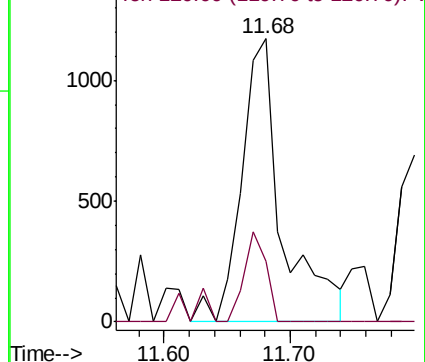
120 21.4 10.0 29.8

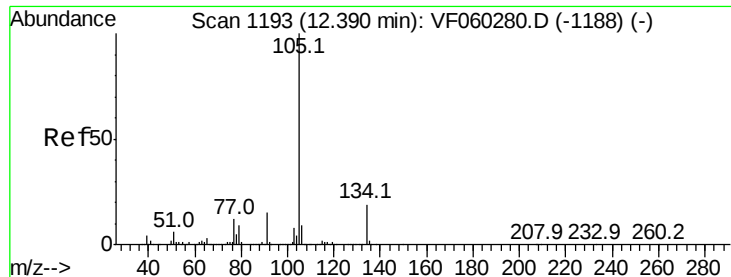


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

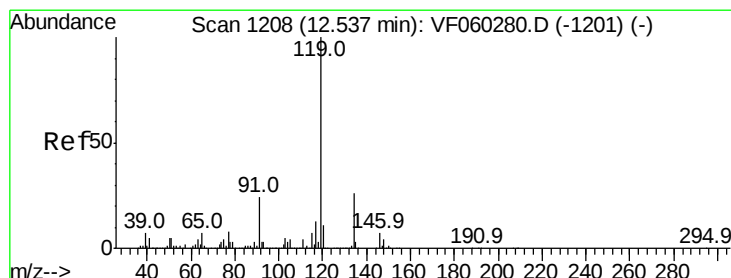
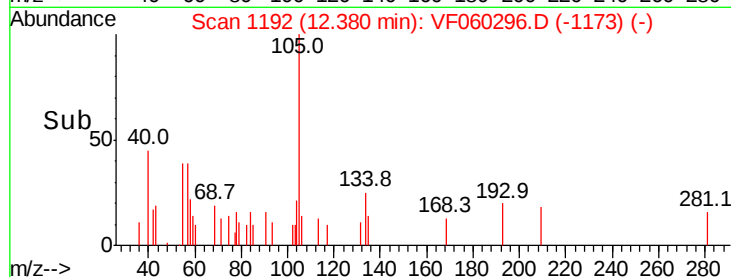
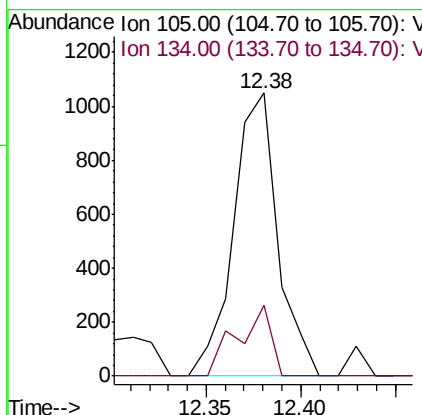
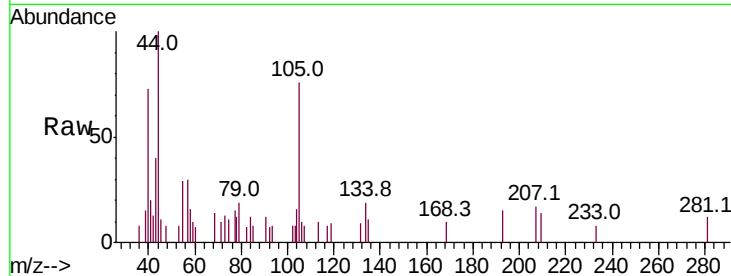




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060296.D
 Acq: 20 Sep 2018 11:41

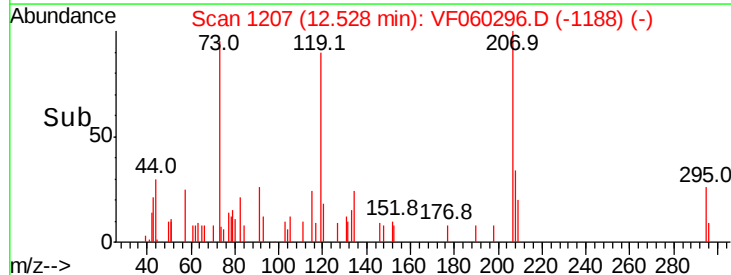
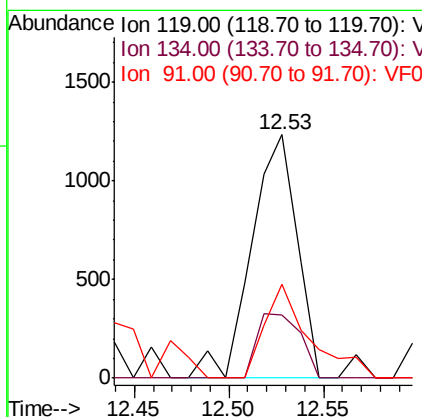
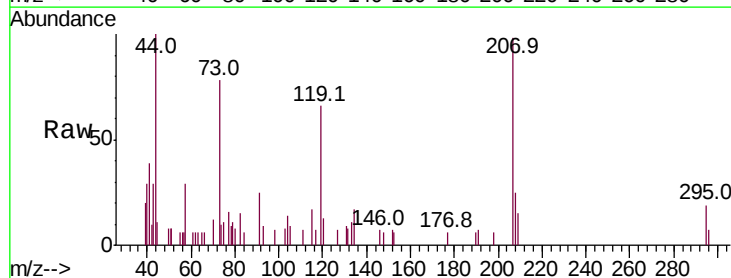
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBL01

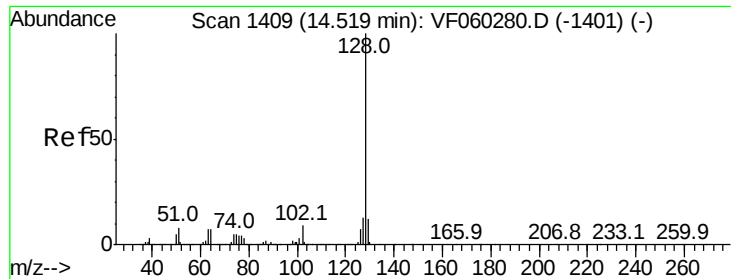
Tot Ion:105 Resp: 1700
 Ion Ratio Lower Upper
 105 100
 134 25.1 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060296.D
 Acq: 20 Sep 2018 11:41

Tgt Ion:119 Resp: 2053
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.7
 91 38.4 11.9 35.7#





#95

Naphthalene

Concen: 1.156 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. -0.01 min

Lab File: VF060296.D

Acq: 20 Sep 2018 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBL01

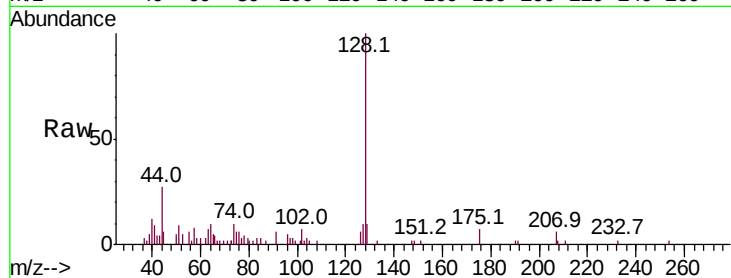
Tot Ion:128 Resp: 10034

Ion Ratio Lower Upper

128 100

127 9.9 10.1 15.1#

129 10.1 9.8 14.8



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

