

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060321.D
 Acq On : 21 Sep 2018 19:19
 Operator : VA/AP
 Sample : J4771-17RE
 Misc : 6.74/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-0920-18-D

Quant Time: Sep 22 02:29:25 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	5.03	168	189118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	321323	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	281117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	149524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	141775	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	4.28	113	140227	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.70	98	297835	39.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.86%	
62) 4-Bromofluorobenzene	11.51	95	141137	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	

Target Compounds

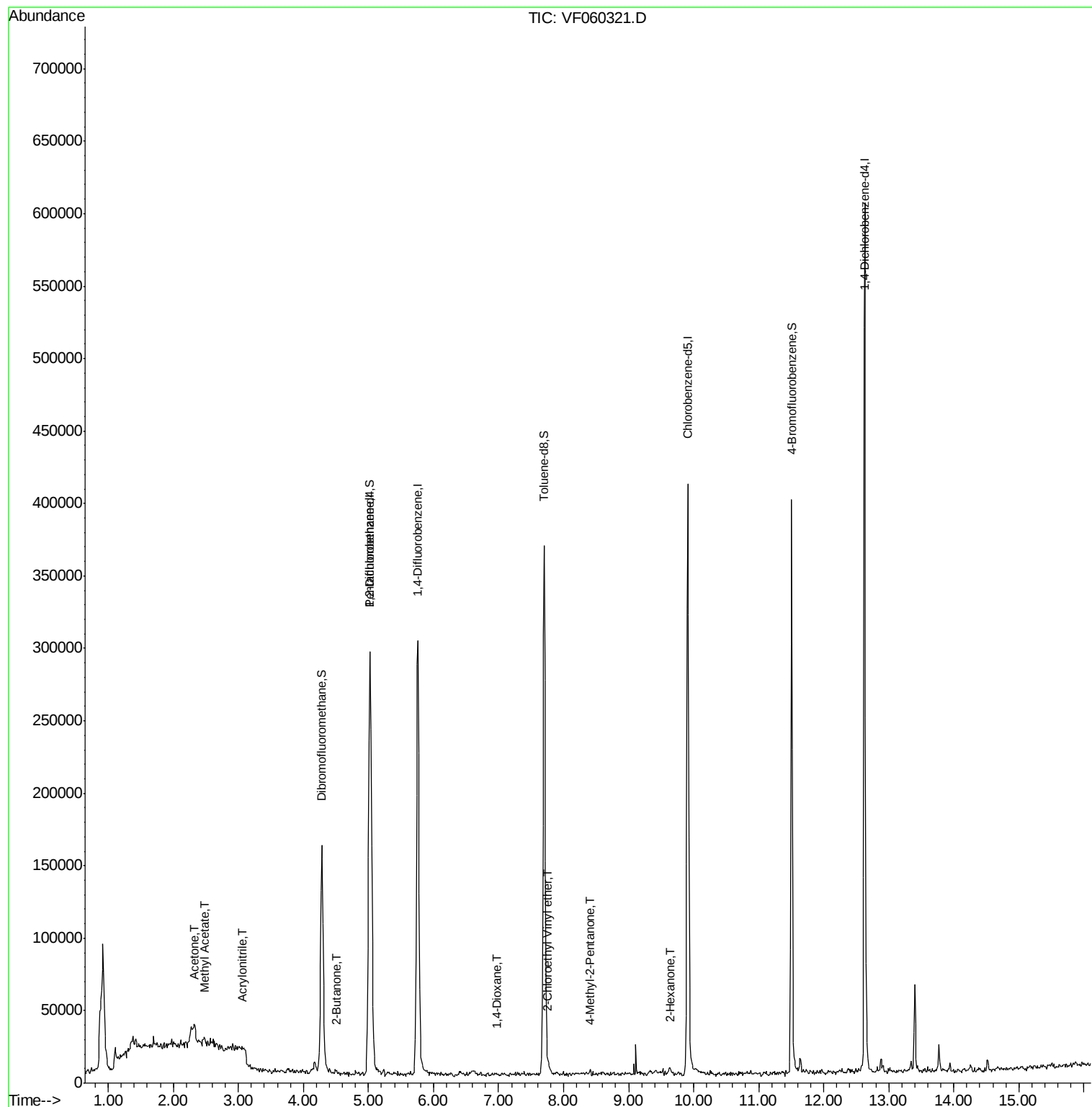
						Qvalue
2) Dichlorodifluoromethane	0.99	85	514	Below Cal	#	40
5) Bromomethane	1.34	94	639	Below Cal	#	3
11) Tert butyl alcohol	2.71	59	775	Below Cal	#	1
13) Acrolein	2.20	56	959	Below Cal		100
15) Acrylonitrile	3.07	53	867	2.411	ug/l #	28
16) Acetone	2.33	43	9136	12.739	ug/l	98
17) Carbon Disulfide	1.88	76	160	Below Cal	#	1
18) Methyl Acetate	2.48	43	6061	5.073	ug/l #	62
20) Methylene Chloride	2.27	84	7581	Below Cal	#	91
25) 2-Butanone	4.51	43	2180	2.258	ug/l #	56
49) 1,4-Dioxane	6.97	88	182	14.214	ug/l #	29
51) 4-Methyl-2-Pentanone	8.41	43	2299	1.461	ug/l #	51
58) 2-Chloroethyl Vinyl ether	7.76	63	418	2.244	ug/l	100
59) 2-Hexanone	9.63	43	4712	4.206	ug/l	82
78) n-propylbenzene	11.67	91	1342	Below Cal	#	57
85) sec-Butylbenzene	12.38	105	875	Below Cal		96
86) p-Isopropyltoluene	12.53	119	763	Below Cal	#	70
89) n-Butylbenzene	12.92	91	1788	Below Cal	#	67

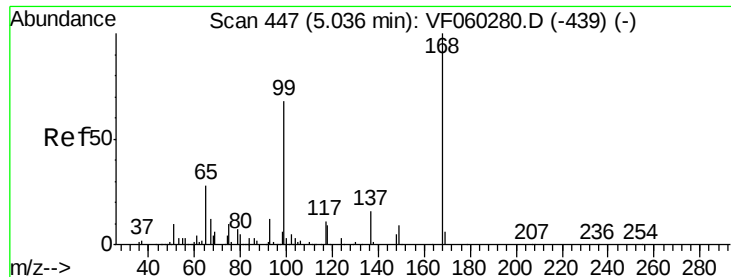
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092118\
Data File : VF060321.D
Acq On : 21 Sep 2018 19:19
Operator : VA/AP
Sample : J4771-17RE
Misc : 6.74/5mL/MSVOA F/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-0920-18-D

Quant Time: Sep 22 02:29:25 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: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060321.D

Acq: 21 Sep 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

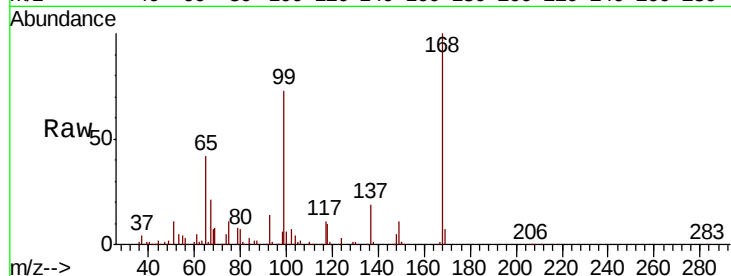
PL-02-0920-18-D

Tot Ion:168 Resp: 189118

Ion Ratio Lower Upper

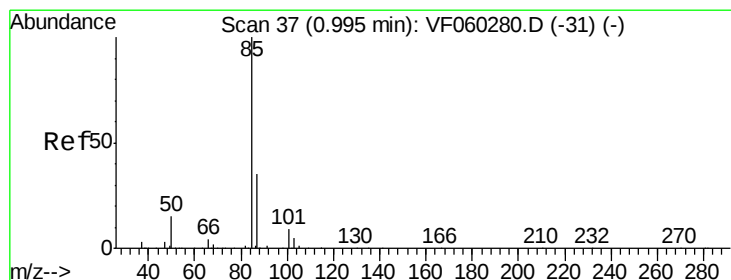
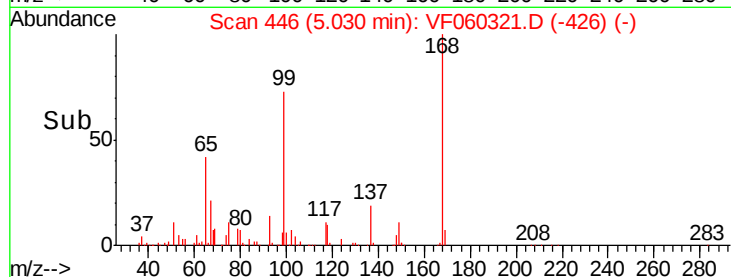
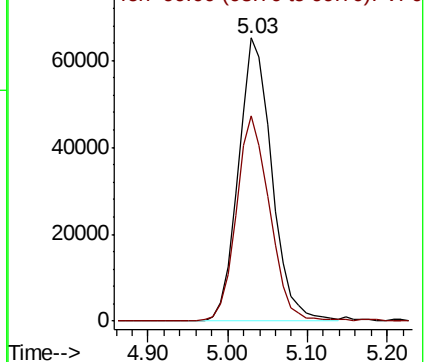
168 100

99 72.6 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060321.D

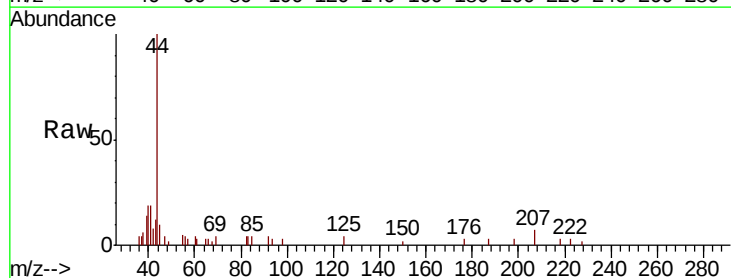
Acq: 21 Sep 2018 19:19

Tgt Ion: 85 Resp: 514

Ion Ratio Lower Upper

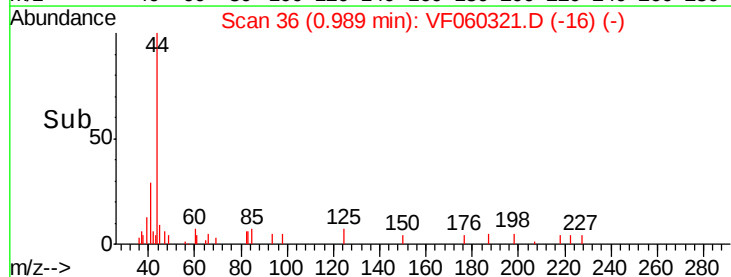
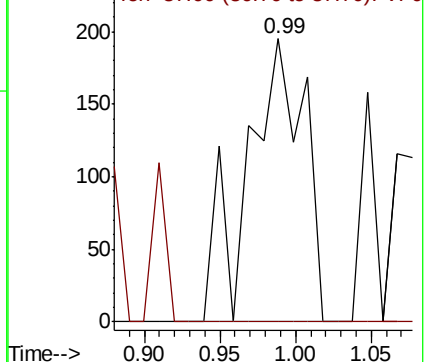
85 100

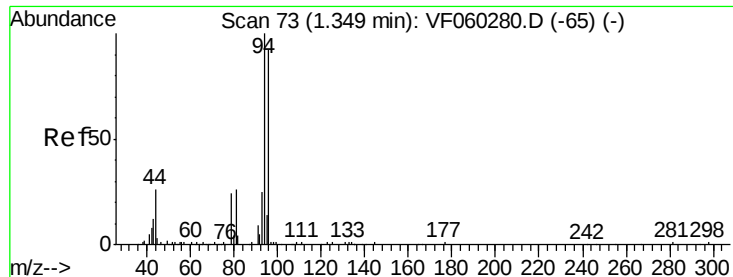
87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060321.D

Acq: 21 Sep 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

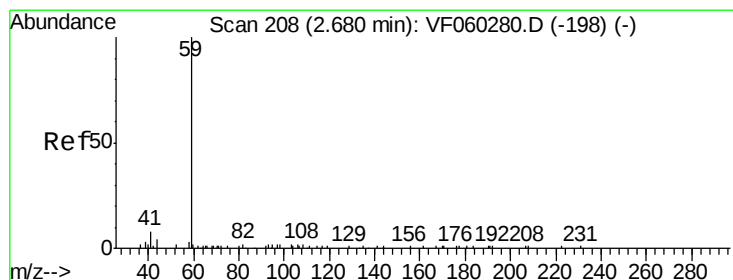
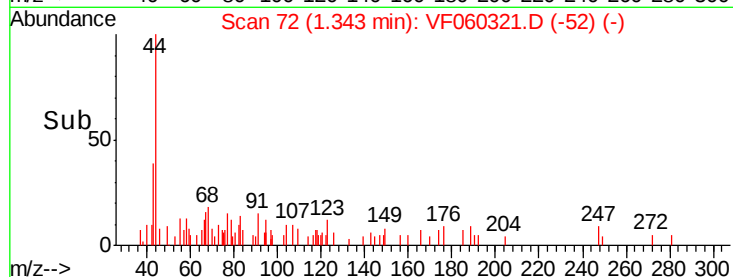
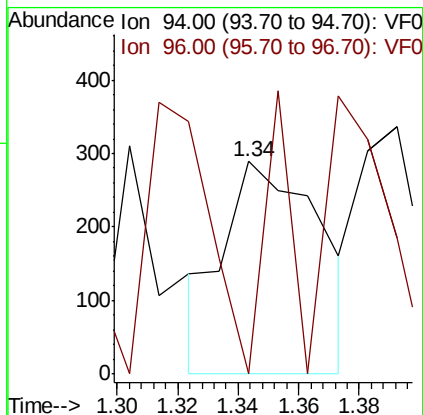
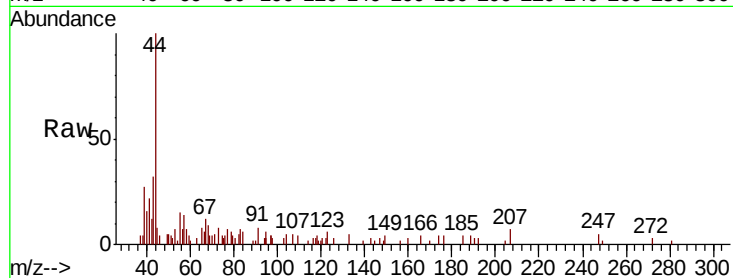
PL-02-0920-18-D

Tot Ion: 94 Resp: 639

Ion Ratio Lower Upper

94 100

96 0.0 73.9 110.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.71 min Scan# 211

Delta R.T. 0.03 min

Lab File: VF060321.D

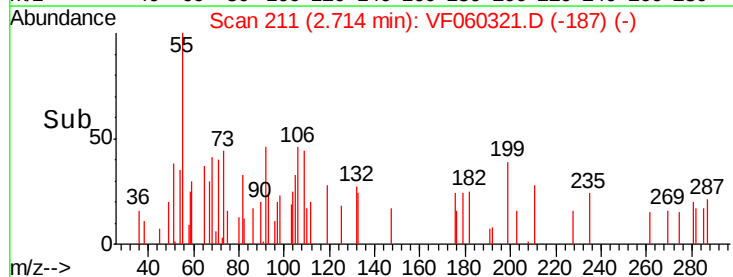
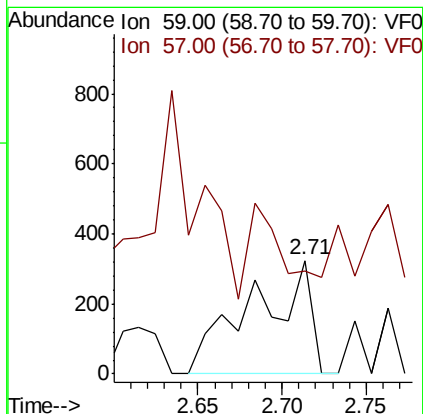
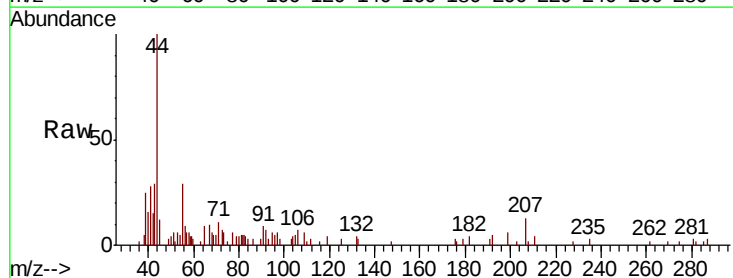
Acq: 21 Sep 2018 19:19

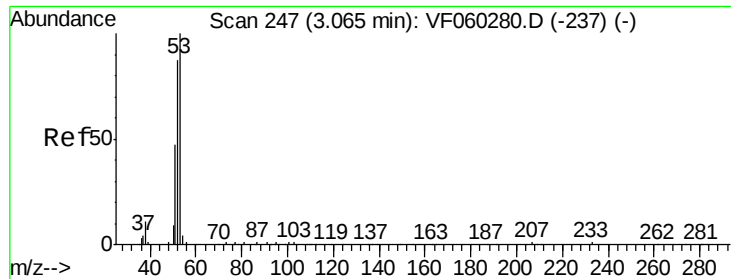
Tgt Ion: 59 Resp: 775

Ion Ratio Lower Upper

59 100

57 90.5 12.4 18.6#





#15

Acrylonitrile

Concen: 2.411 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060321.D

Acq: 21 Sep 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

PL-02-0920-18-D

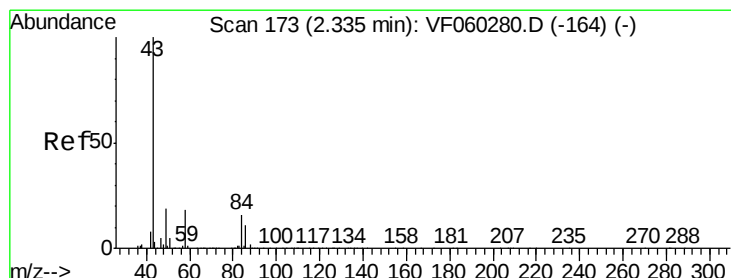
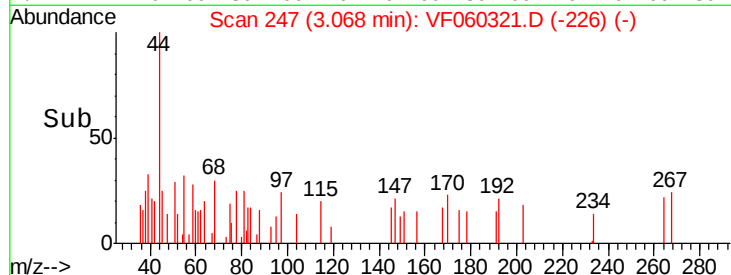
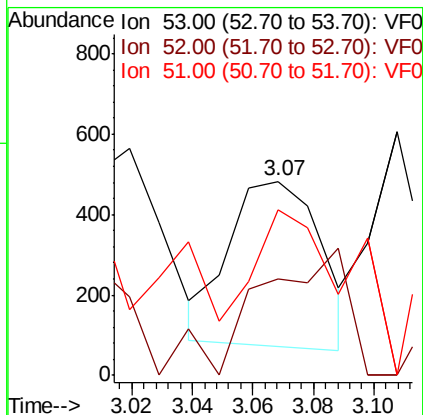
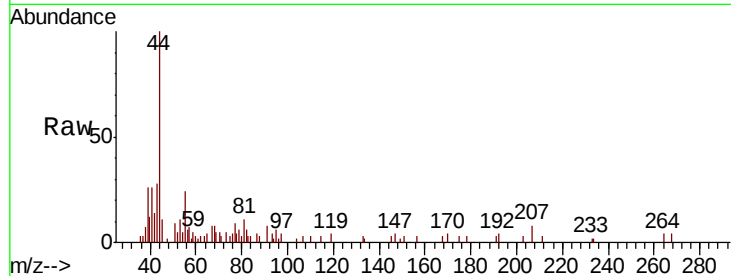
Tot Ion: 53 Resp: 867

Ion Ratio Lower Upper

53 100

52 49.6 69.5 104.3#

51 134.9 38.1 57.1#



#16

Acetone

Concen: 12.739 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060321.D

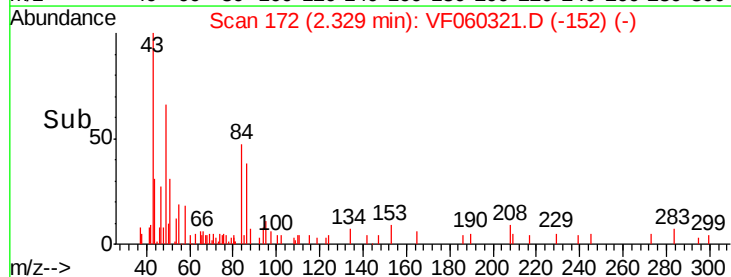
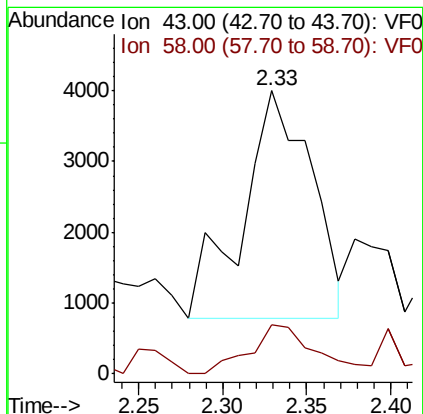
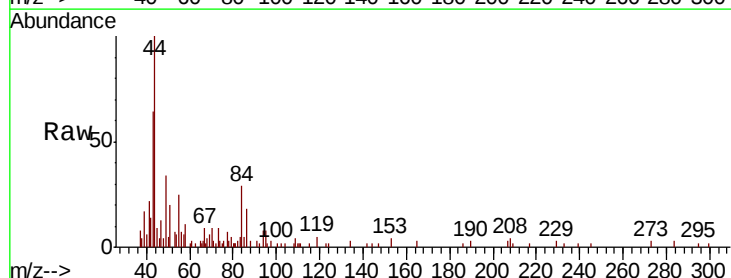
Acq: 21 Sep 2018 19:19

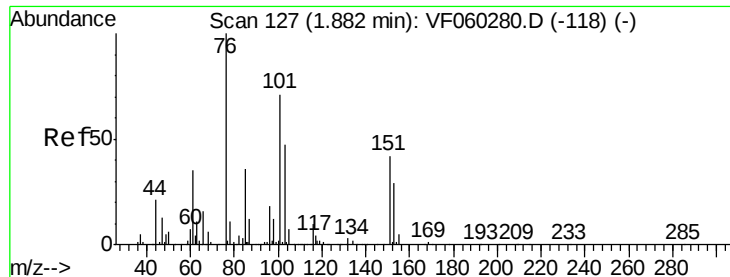
Tgt Ion: 43 Resp: 9136

Ion Ratio Lower Upper

43 100

58 17.2 14.5 21.7

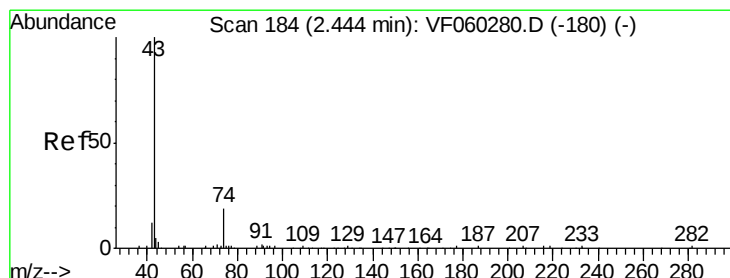
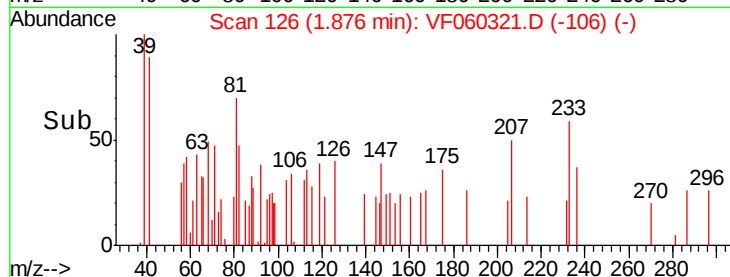
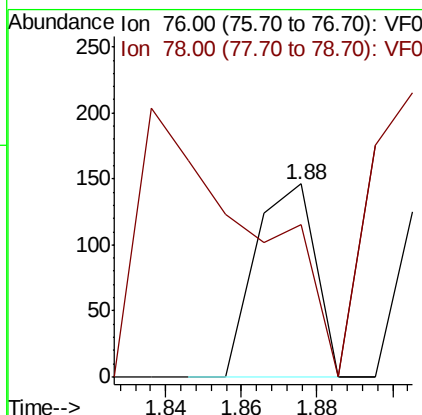
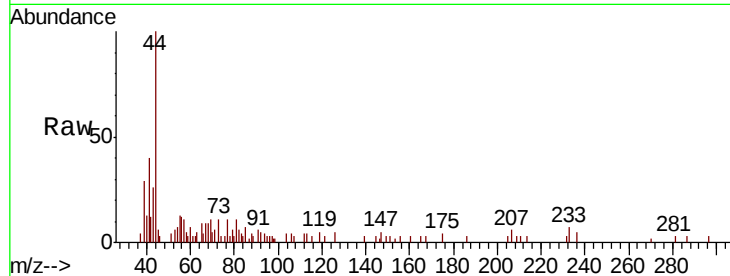




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 126
Delta R.T. -0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

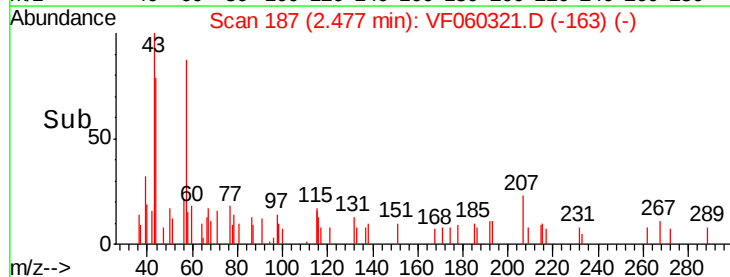
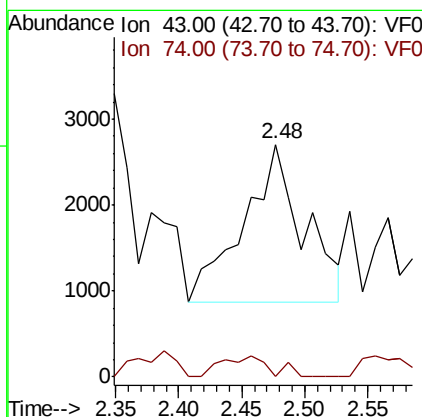
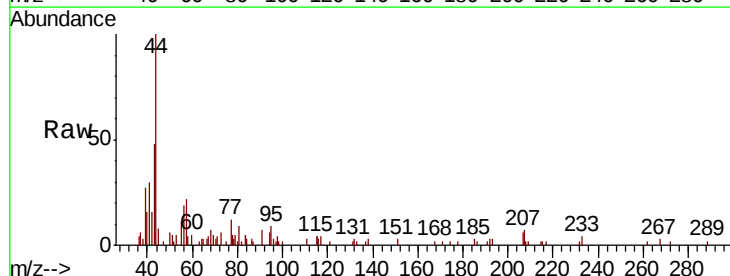
Instrument :
MSVOA_F
ClientSampleId :
PL-02-0920-18-D

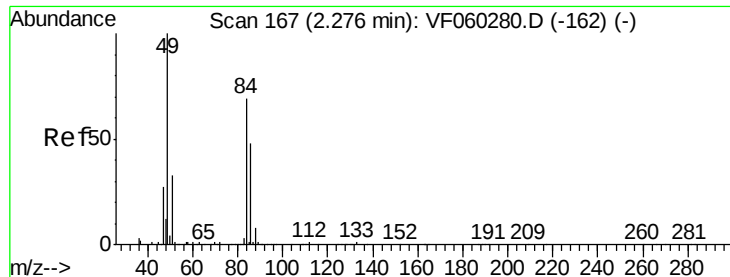
Tot Ion: 76 Resp: 160
Ion Ratio Lower Upper
76 100
78 78.8 9.4 14.0#



#18
Methyl Acetate
Concen: 5.073 ug/l
RT: 2.48 min Scan# 187
Delta R.T. 0.03 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

Tgt Ion: 43 Resp: 6061
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1#

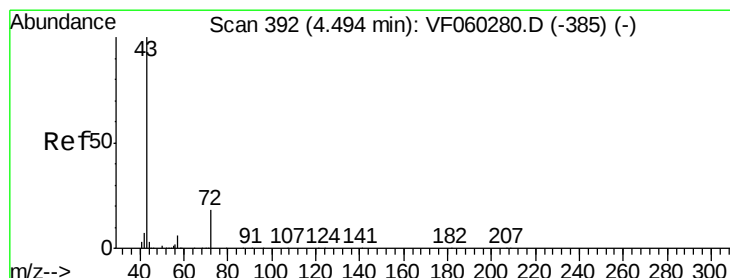
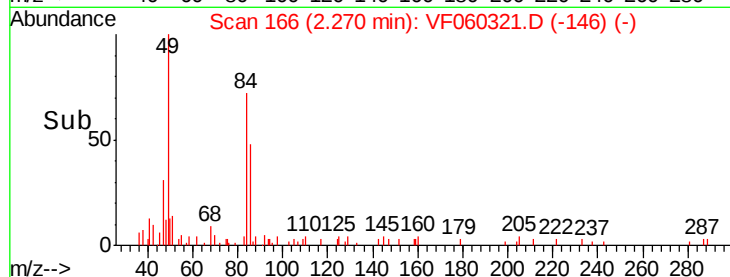
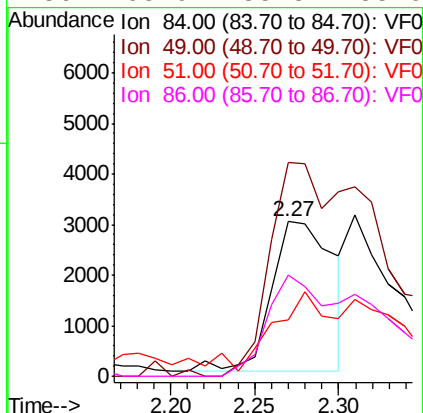
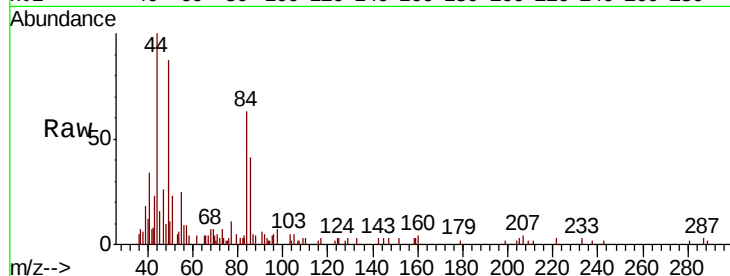




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

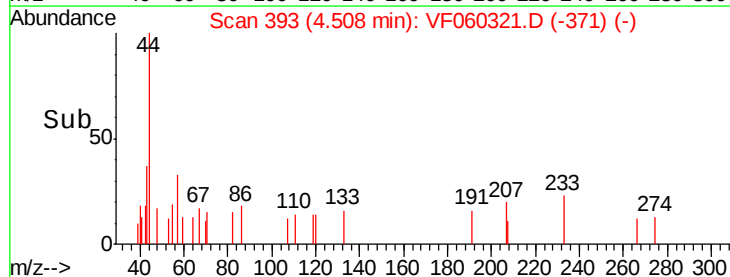
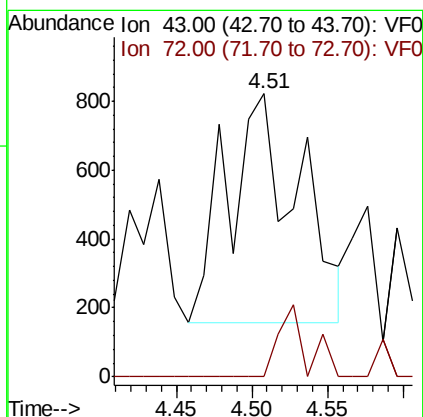
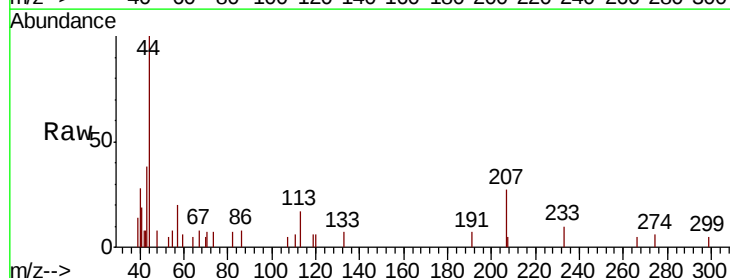
Instrument :
MSVOA_F
ClientSampleId :
PL-02-0920-18-D

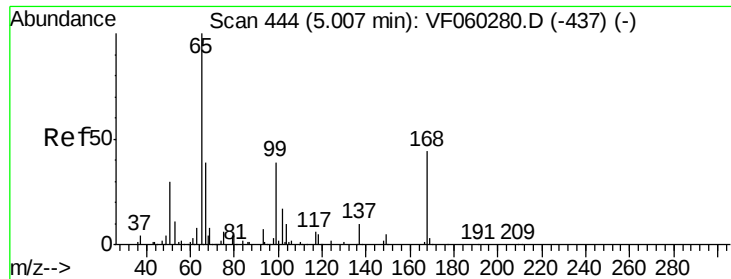
Tot Ion:	84	Resp:	7581
Ion	Ratio	Lower	Upper
84	100		
49	138.3	118.3	177.5
51	36.1	38.7	58.1#
86	65.9	55.8	83.6



#25
2-Butanone
Concen: 2.258 ug/l
RT: 4.51 min Scan# 393
Delta R.T. 0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

Tgt Ion:	43	Resp:	2180
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#

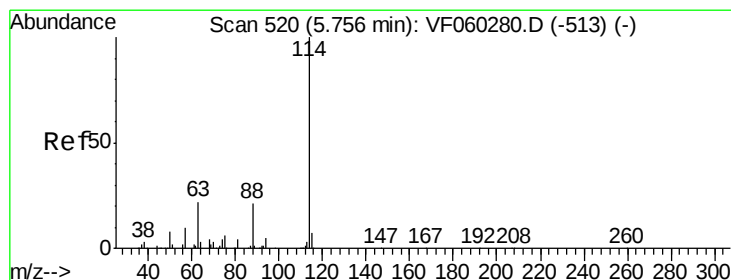
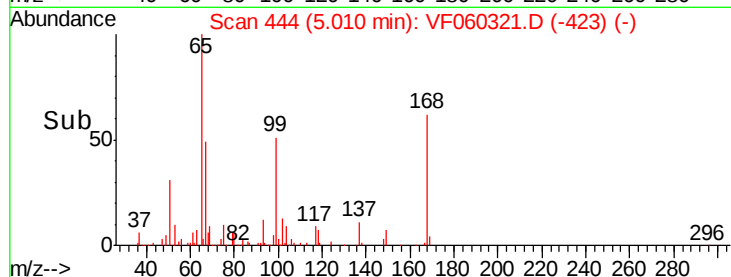
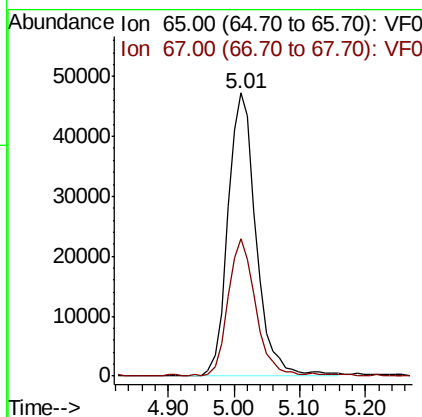
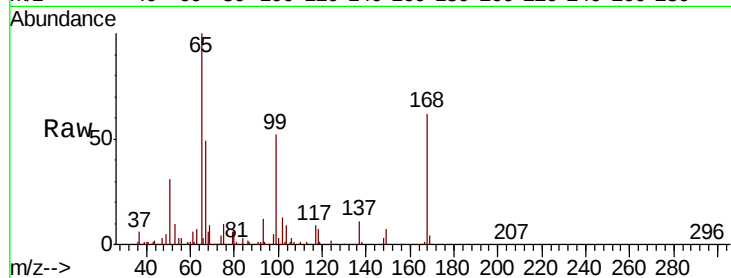




#33
 1,2-Dichloroethane-d4
 Concen: 55.674 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060321.D
 Acq: 21 Sep 2018 19:19

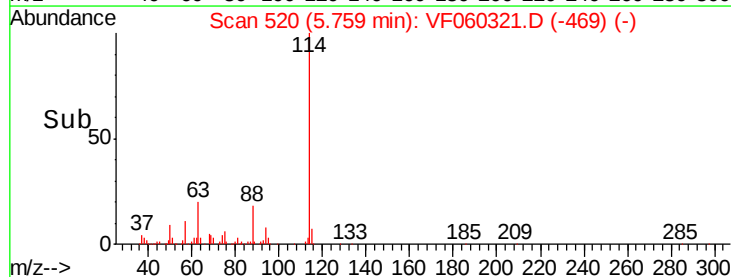
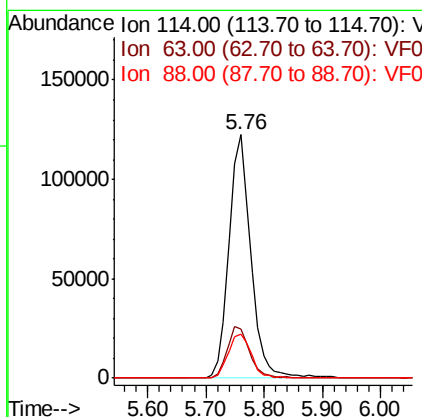
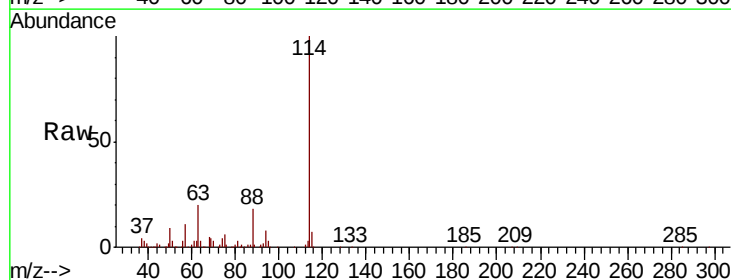
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-0920-18-D

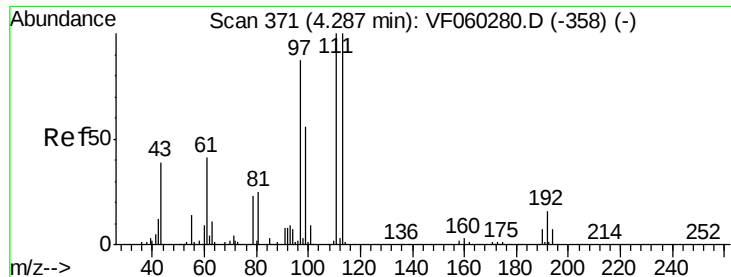
Tot Ion: 65 Resp: 141775
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060321.D
 Acq: 21 Sep 2018 19:19

Tgt Ion: 114 Resp: 321323
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.8
 88 18.2 0.0 41.2

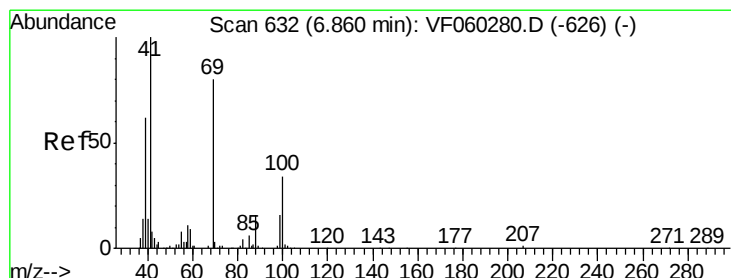
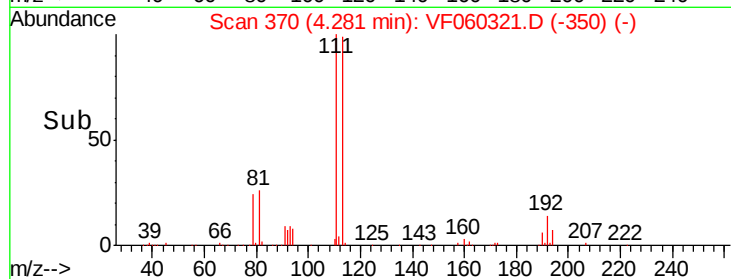
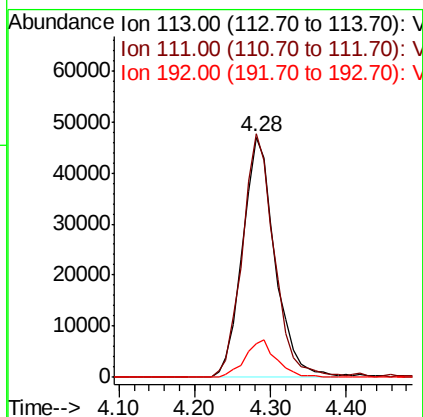
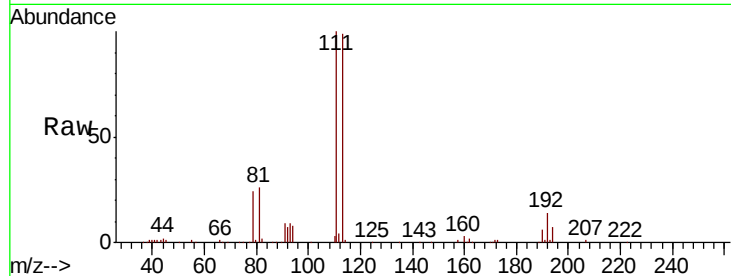




#35
 Dibromofluoromethane
 Concen: 48.956 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060321.D
 Acq: 21 Sep 2018 19:19

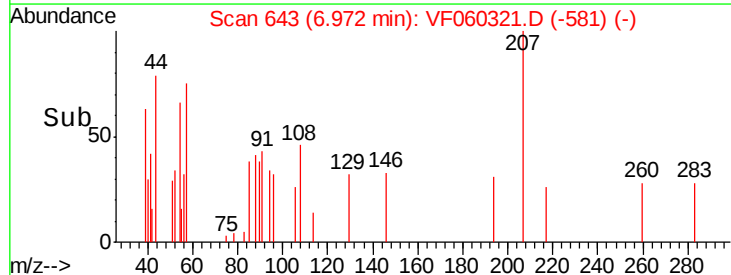
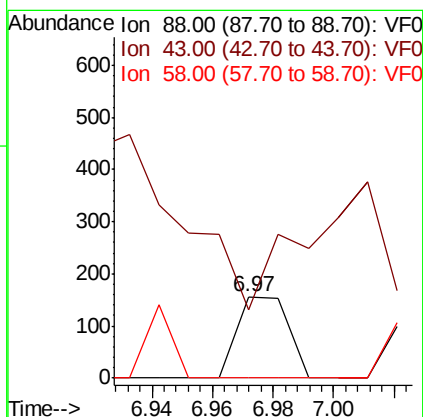
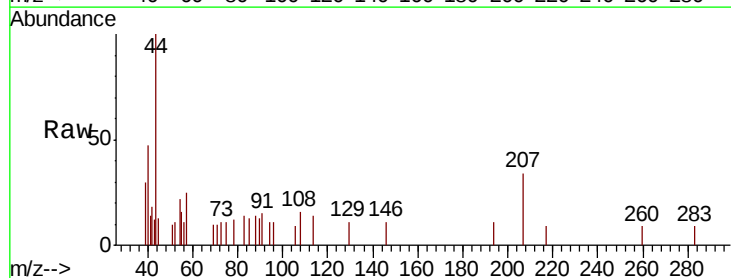
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-0920-18-D

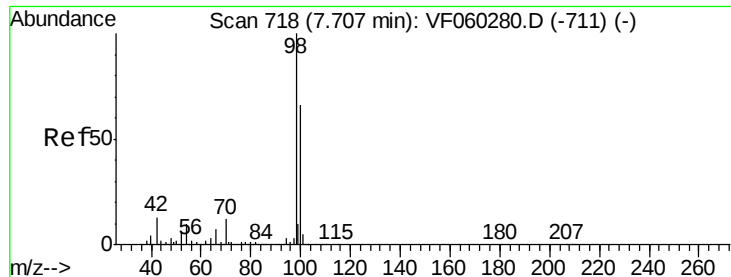
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	79.6	119.4
192	14.0	13.0	19.6



#49
 1,4-Dioxane
 Concen: 14.214 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.11 min
 Lab File: VF060321.D
 Acq: 21 Sep 2018 19:19

Tgt Ion	Ratio	Lower	Upper
88	100		
43	84.6	40.2	60.4#
58	0.0	56.7	85.1#

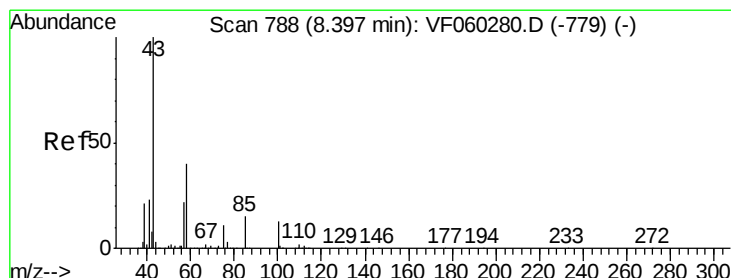
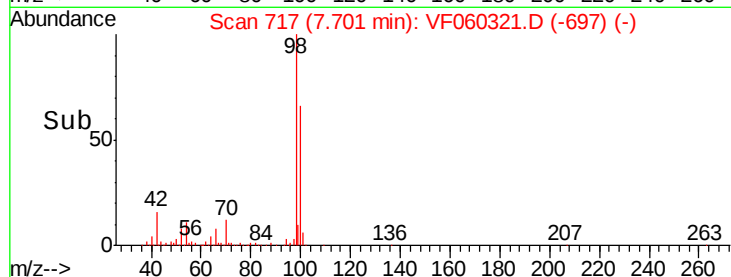
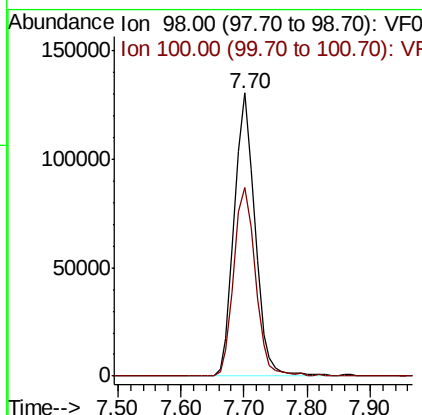
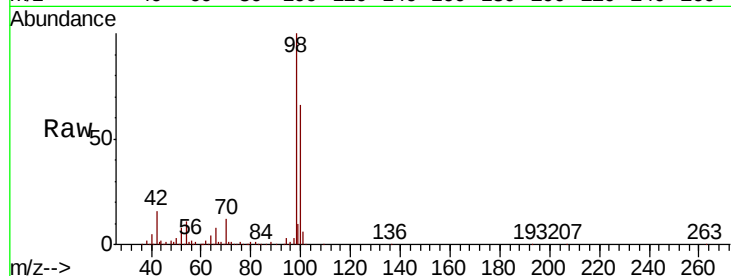




#50
Toluene-d8
Concen: 39.927 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

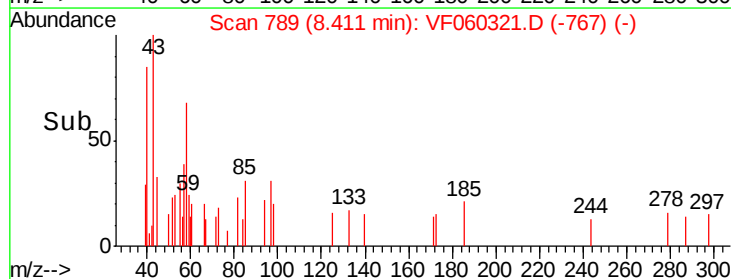
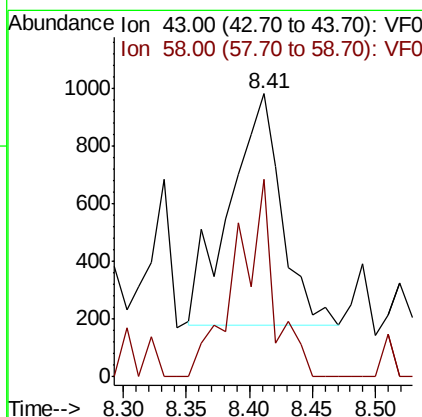
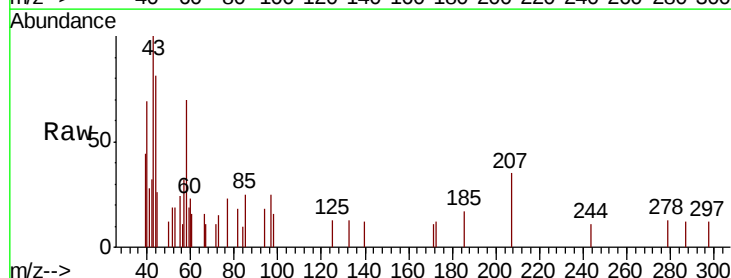
Instrument :
MSVOA_F
ClientSampleId :
PL-02-0920-18-D

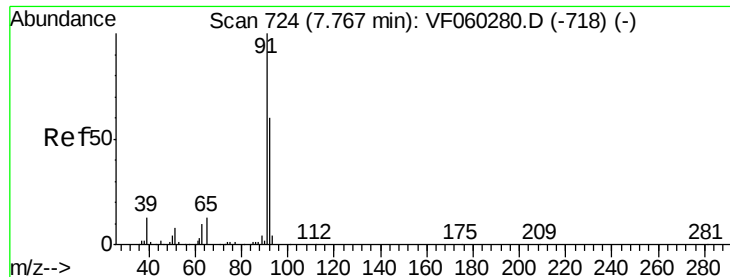
Tot Ion: 98 Resp: 297835
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.461 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

Tgt Ion: 43 Resp: 2299
Ion Ratio Lower Upper
43 100
58 70.0 31.8 47.8#

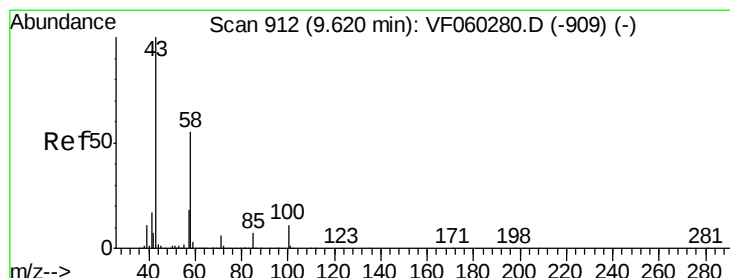
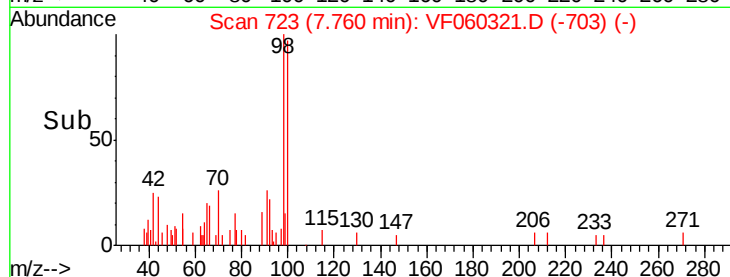
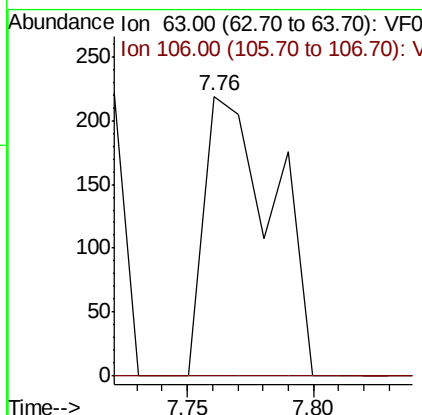
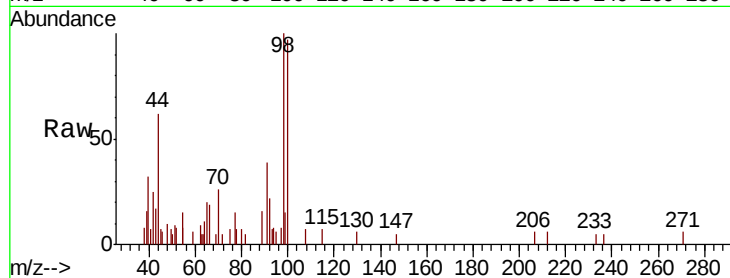




#58
2-Chloroethyl Vinyl ether
Concen: 2.244 ug/l
RT: 7.76 min Scan# 723
Delta R.T. -0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

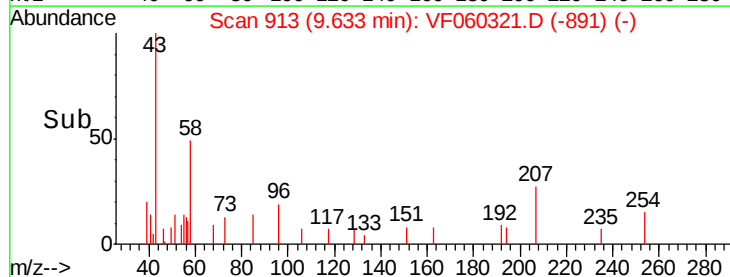
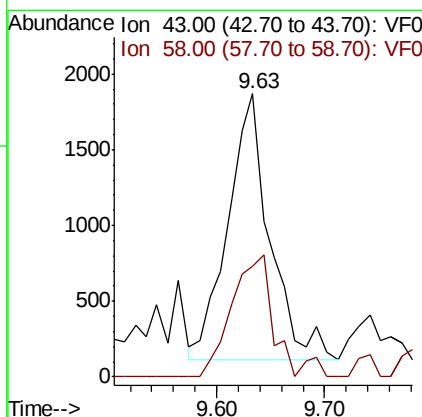
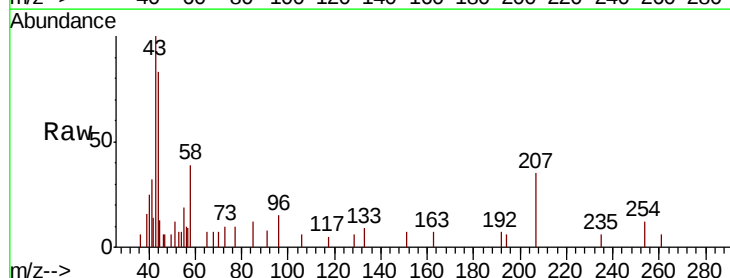
Instrument :
MSVOA_F
ClientSampleId :
PL-02-0920-18-D

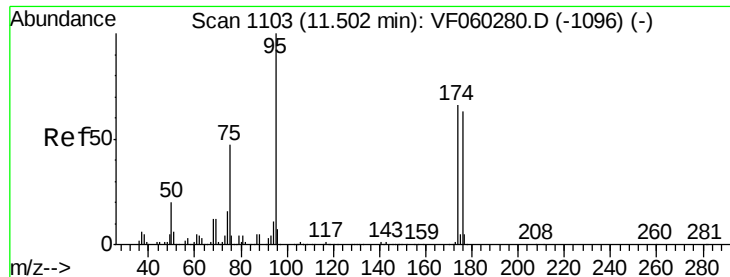
Tot Ion: 63 Resp: 418
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: 4.206 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

Tgt Ion: 43 Resp: 4712
Ion Ratio Lower Upper
43 100
58 38.9 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 43.771 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060321.D

Acq: 21 Sep 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

PL-02-0920-18-D

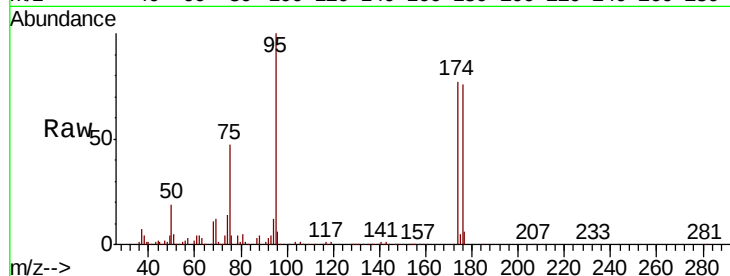
Tot Ion: 95 Resp: 141137

Ion Ratio Lower Upper

95 100

174 76.9 0.0 131.2

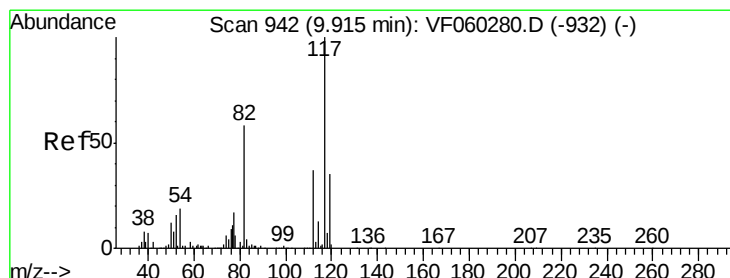
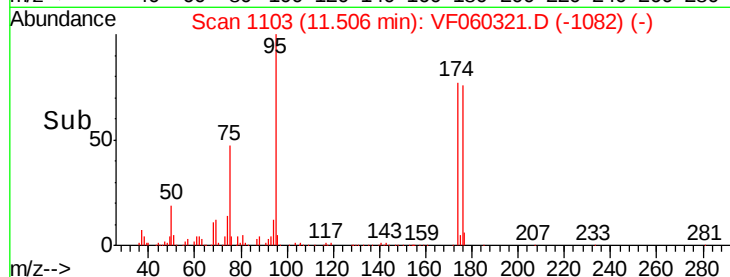
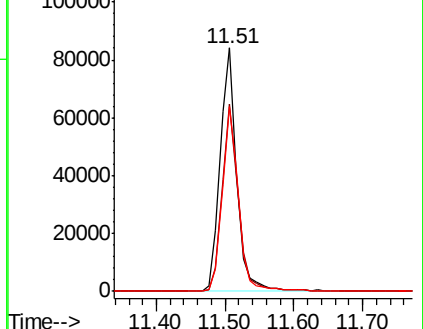
176 75.6 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060321.D

Acq: 21 Sep 2018 19:19

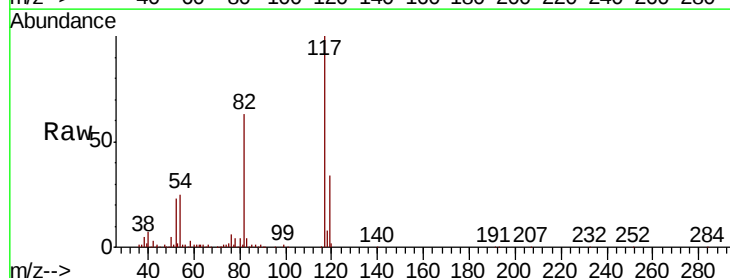
Tgt Ion: 117 Resp: 281117

Ion Ratio Lower Upper

117 100

82 63.5 46.2 69.2

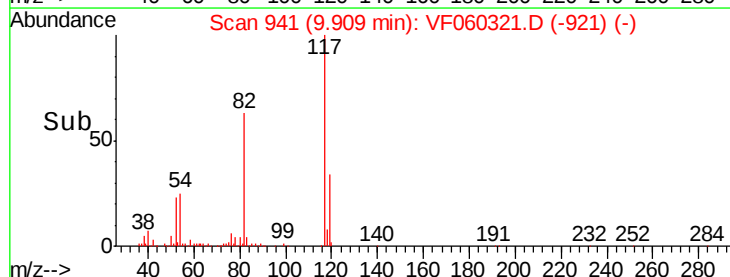
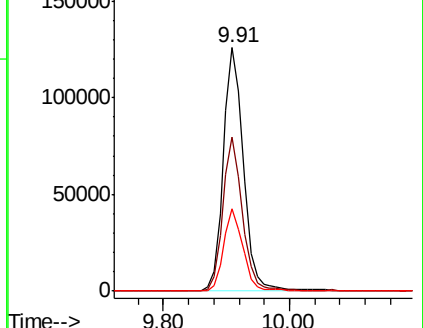
119 34.1 27.8 41.6

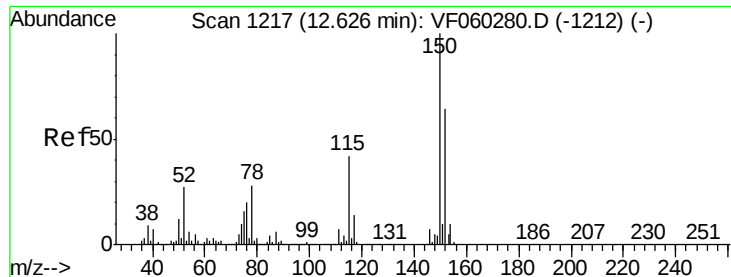


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



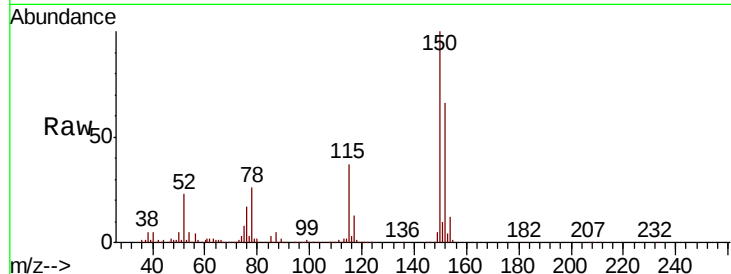


#72

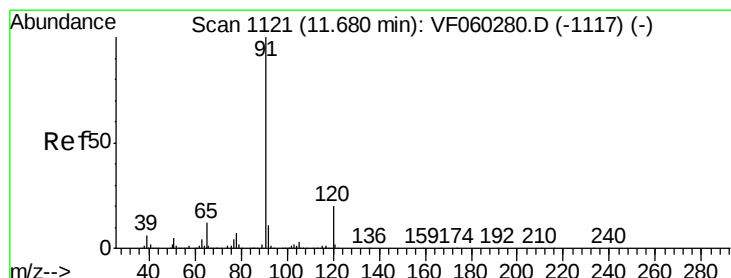
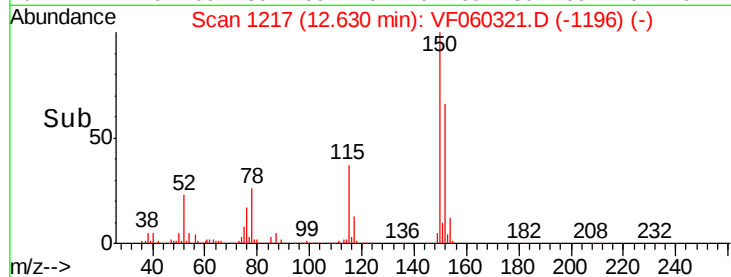
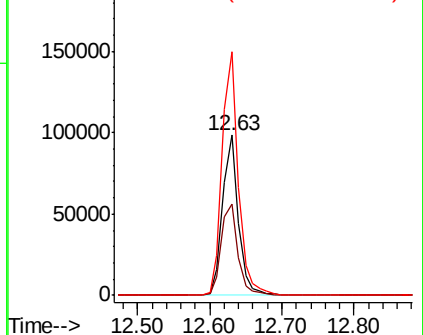
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
PL-02-0920-18-D

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.7	32.6	97.8
150	152.0	0.0	314.2



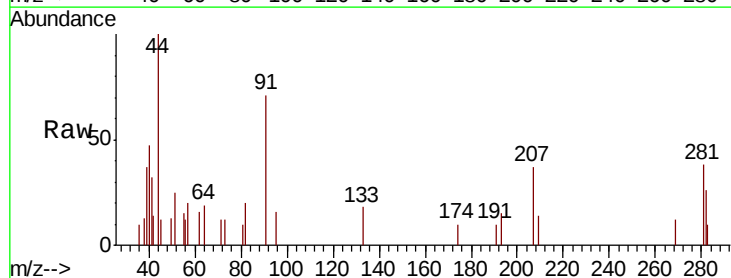
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



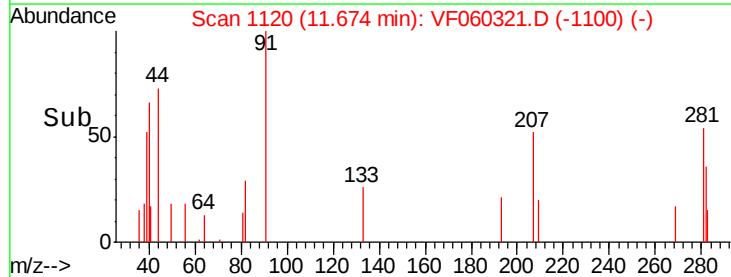
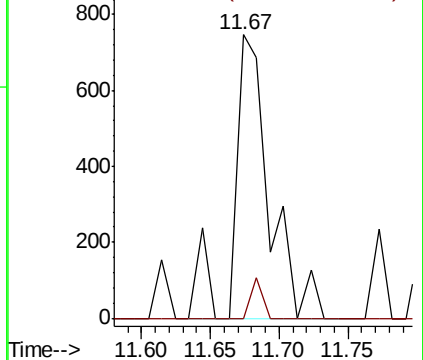
#78

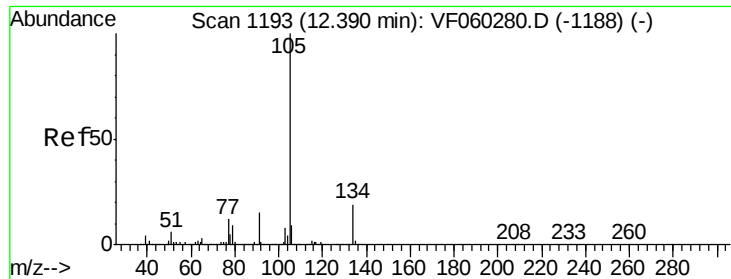
n-propylbenzene
Concen: Below Cal
RT: 11.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF060321.D
Acq: 21 Sep 2018 19:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.0	29.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V

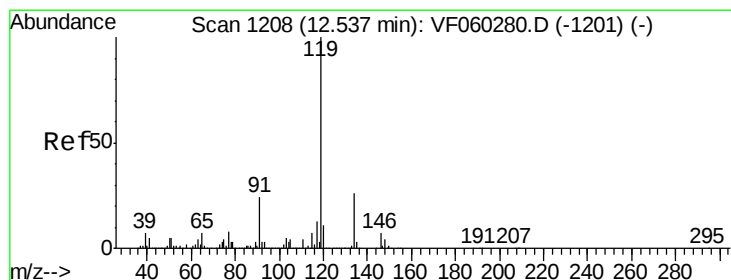
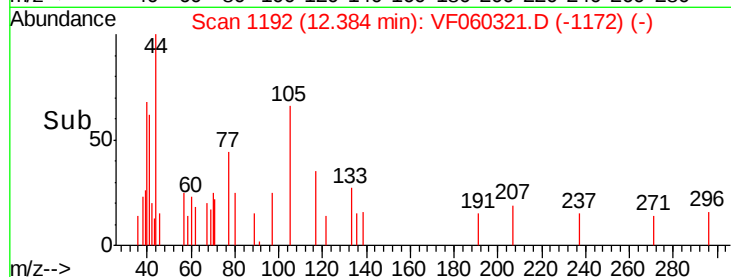
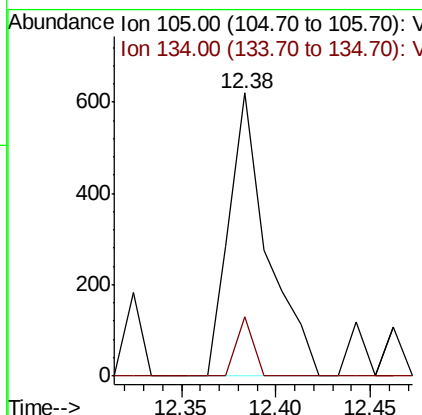
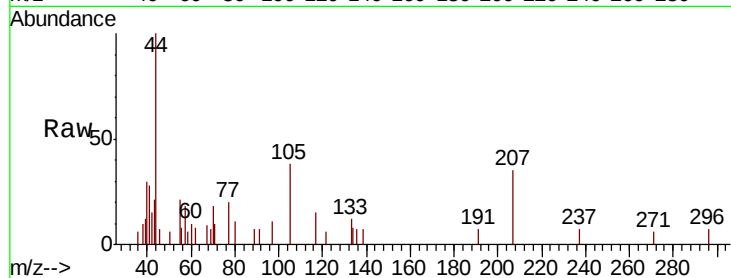




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060321.D
 Acq: 21 Sep 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-0920-18-D

Tot Ion:105 Resp: 875
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060321.D
 Acq: 21 Sep 2018 19:19

Tgt Ion:119 Resp: 763
 Ion Ratio Lower Upper
 119 100
 134 30.0 12.9 38.7
 91 50.2 11.9 35.7#

