

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060356.D
 Acq On : 26 Sep 2018 17:16
 Operator : VA/AP
 Sample : J5070-01RE
 Misc : 5.91/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-RBR-200027

Quant Time: Sep 27 03:06:15 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	374948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	634708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	507099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	252264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	255282	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
35) Dibromofluoromethane	4.28	113	302178	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
50) Toluene-d8	7.70	98	671735	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.51	95	272146	42.73	ug/l	0.00
Spiked Amount			Recovery	=	85.46%	

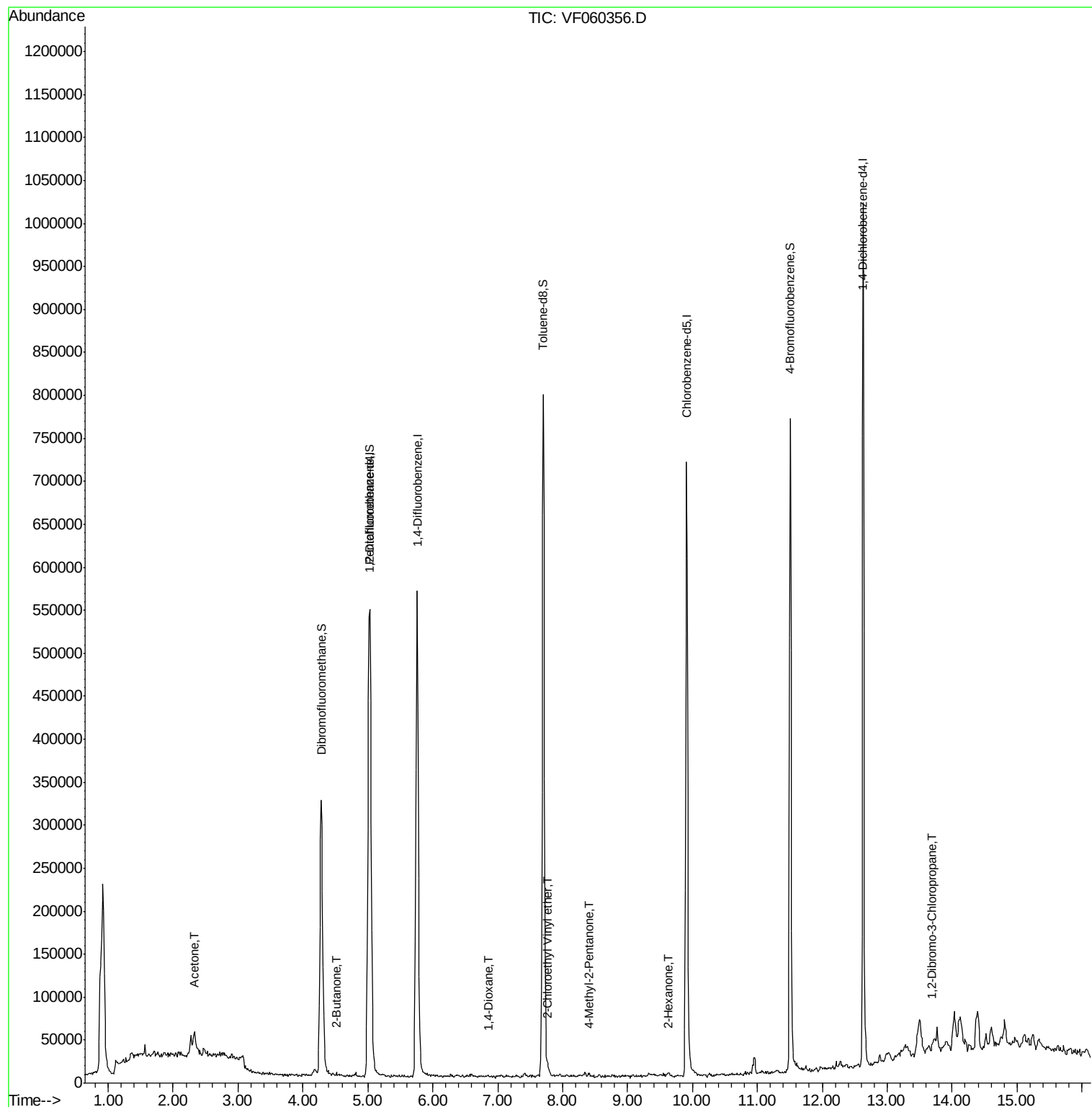
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	118	Below Cal	#	40
5) Bromomethane	1.35	94	899	Below Cal	#	70
11) Tert butyl alcohol	2.68	59	638	Below Cal	#	1
13) Acrolein	2.06	56	912	Below Cal		99
16) Acetone	2.33	43	16151	11.359	ug/l	93
17) Carbon Disulfide	1.90	76	1617	Below Cal	#	1
20) Methylene Chloride	2.32	84	9801	Below Cal		96
25) 2-Butanone	4.51	43	2505	1.309	ug/l #	90
49) 1,4-Dioxane	6.85	88	235	9.292	ug/l #	28
51) 4-Methyl-2-Pentanone	8.41	43	3441	1.107	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	696	1.891	ug/l	100
59) 2-Hexanone	9.62	43	4331	1.957	ug/l	94
78) n-propylbenzene	11.68	91	2444	Below Cal	#	76
85) sec-Butylbenzene	12.38	105	2046	Below Cal		98
86) p-Isopropyltoluene	12.54	119	1749	Below Cal		84
89) n-Butylbenzene	12.93	91	1710	Below Cal	#	74
92) 1,2-Dibromo-3-Chloropropan	13.69	75	821	1.090	ug/l #	1

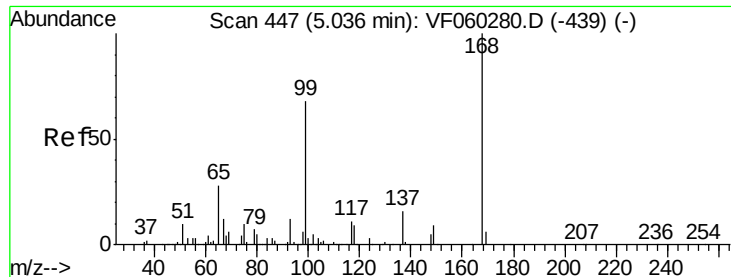
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

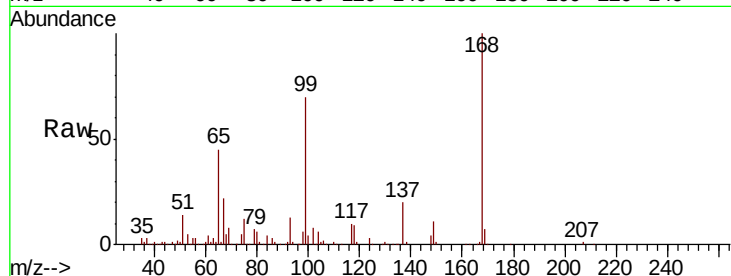
CS-RBR-200027

Tot Ion:168 Resp: 374948

Ion Ratio Lower Upper

168 100

99 69.5 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

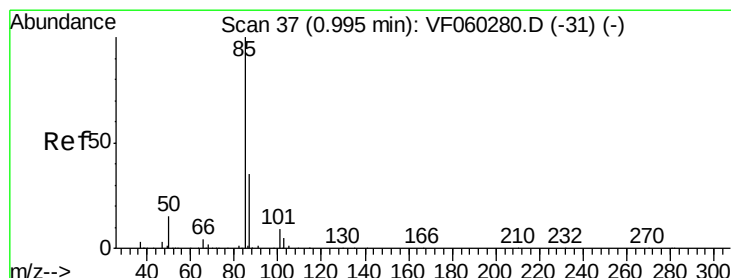
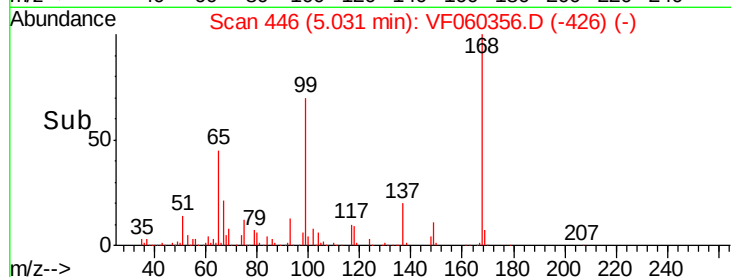
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 35

Delta R.T. -0.01 min

Lab File: VF060356.D

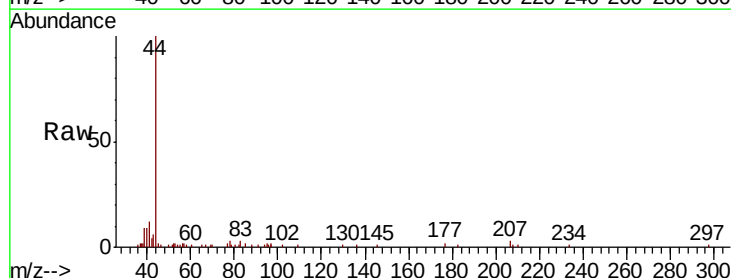
Acq: 26 Sep 2018 17:16

Tgt Ion: 85 Resp: 118

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

0.98

200

150

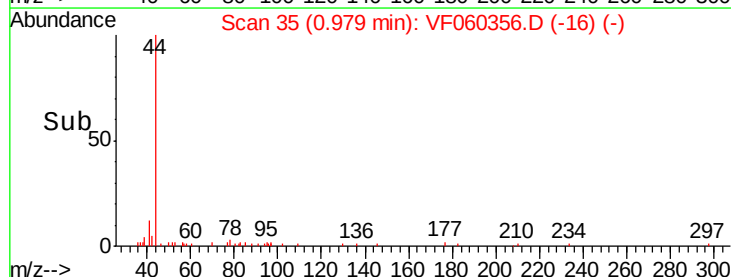
100

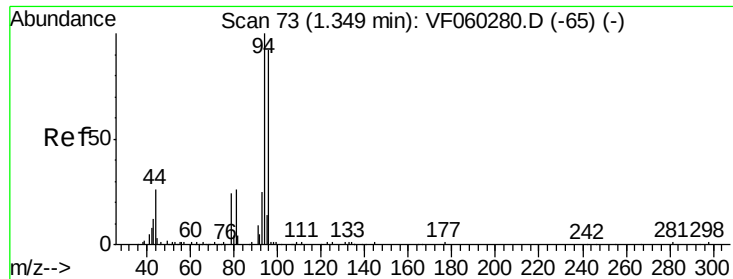
50

0

Time-->

0.96 0.98





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

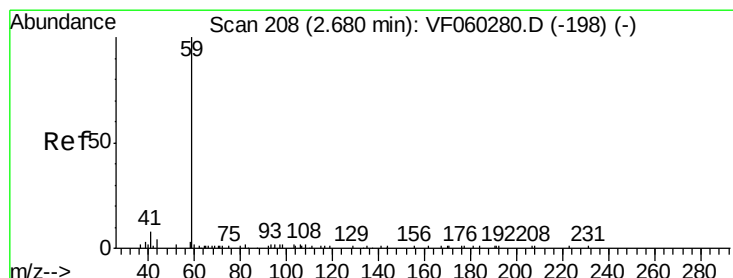
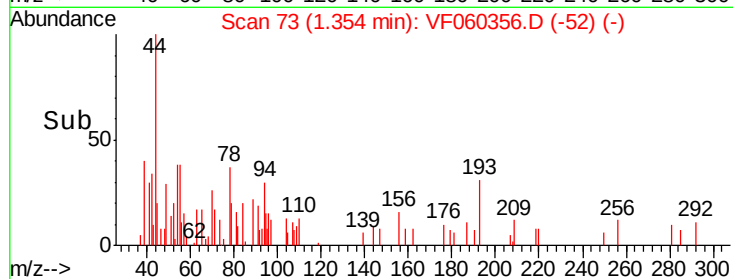
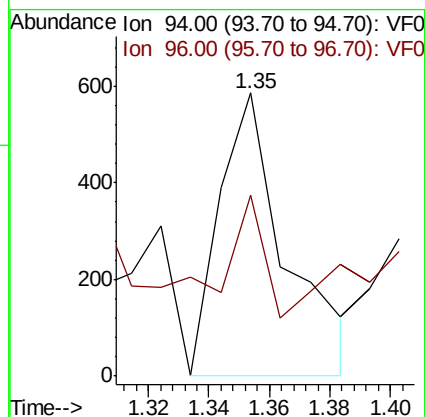
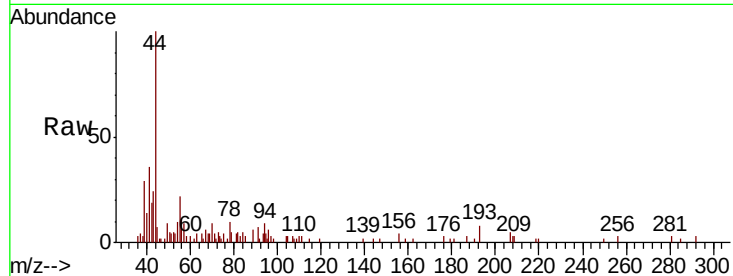
CS-RBR-200027

Tot Ion: 94 Resp: 899

Ion Ratio Lower Upper

94 100

96 64.0 73.9 110.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.68 min Scan# 208

Delta R.T. 0.00 min

Lab File: VF060356.D

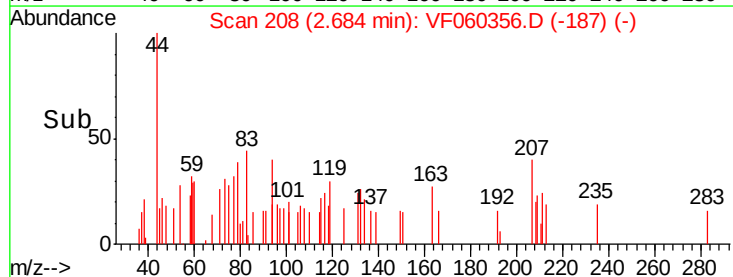
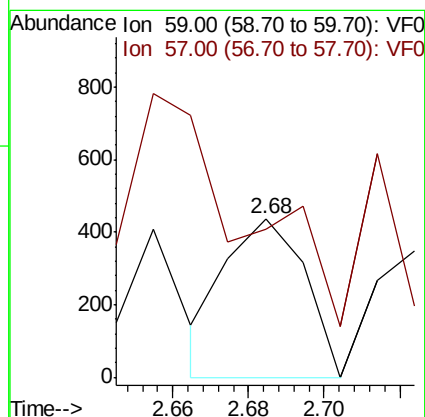
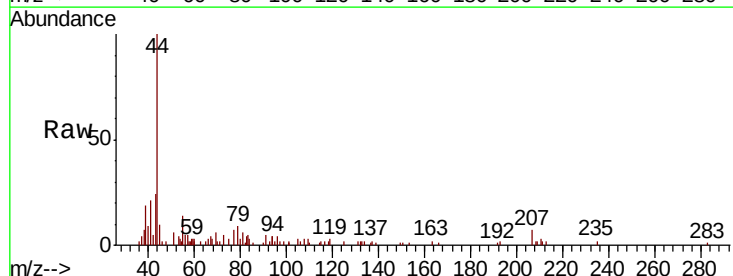
Acq: 26 Sep 2018 17:16

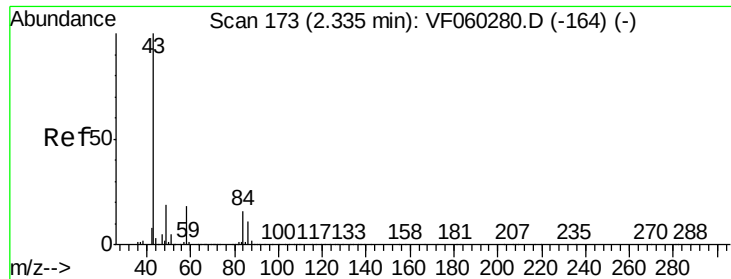
Tgt Ion: 59 Resp: 638

Ion Ratio Lower Upper

59 100

57 93.6 12.4 18.6#





#16

Acetone

Concen: 11.359 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

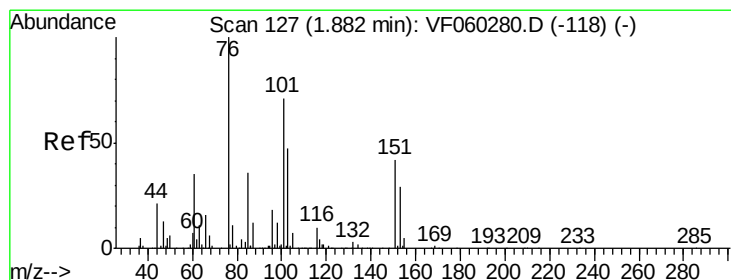
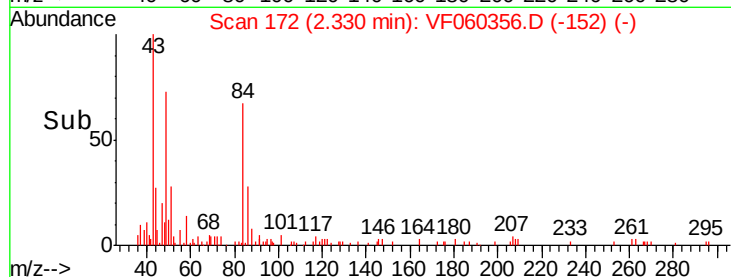
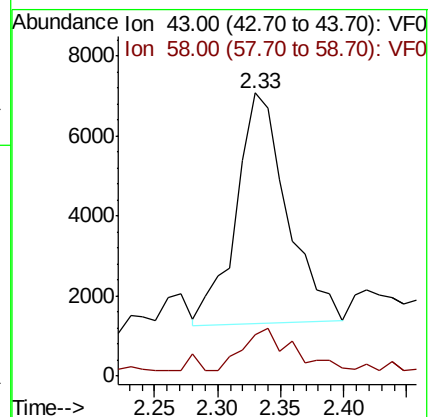
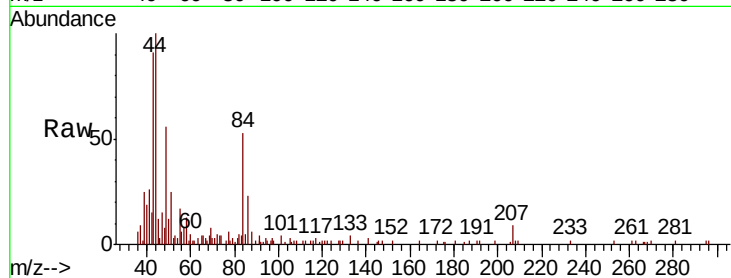
CS-RBR-200027

Tot Ion: 43 Resp: 16151

Ion Ratio Lower Upper

43 100

58 14.8 14.5 21.7



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060356.D

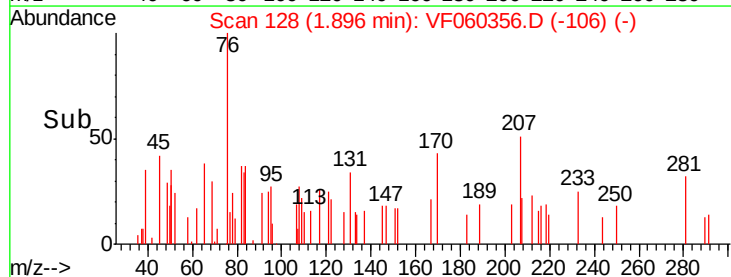
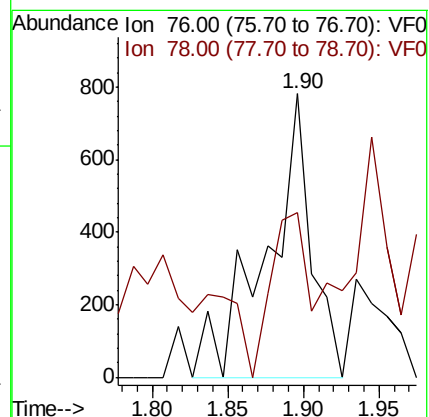
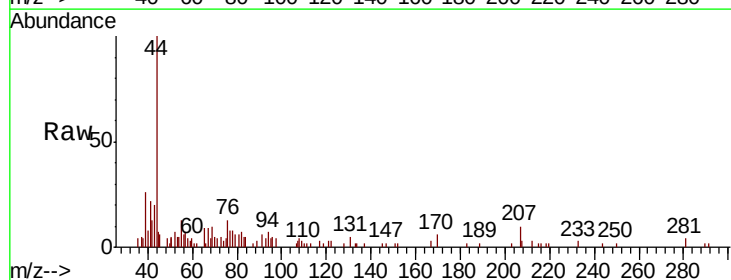
Acq: 26 Sep 2018 17:16

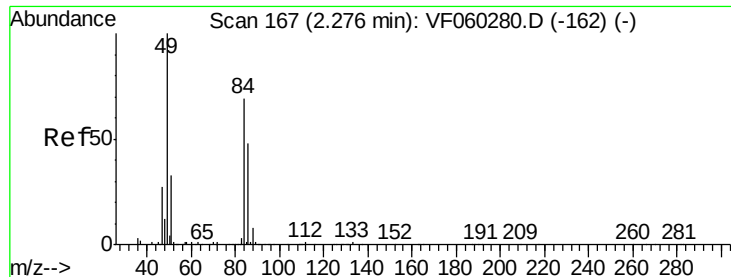
Tgt Ion: 76 Resp: 1617

Ion Ratio Lower Upper

76 100

78 58.0 9.4 14.0#

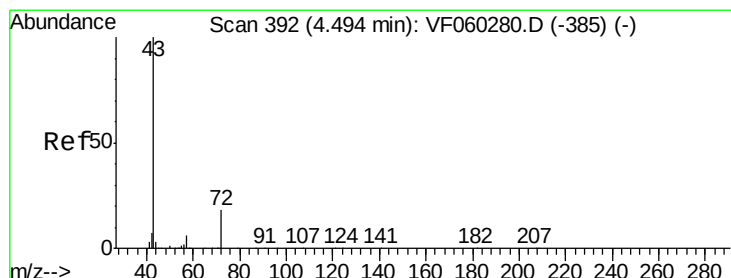
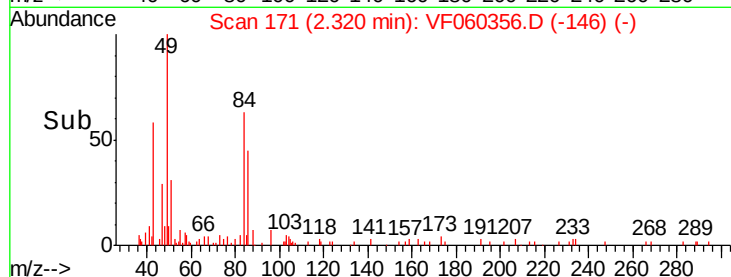
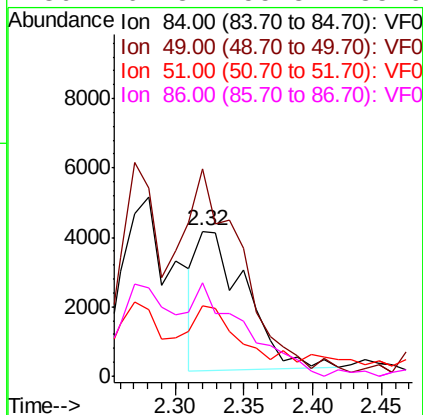
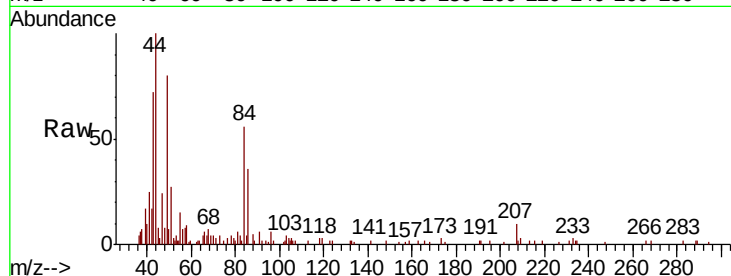




#20
Methylene Chloride
Concen: Below Cal
RT: 2.32 min Scan# 171
Delta R.T. 0.04 min
Lab File: VF060356.D
Acq: 26 Sep 2018 17:16

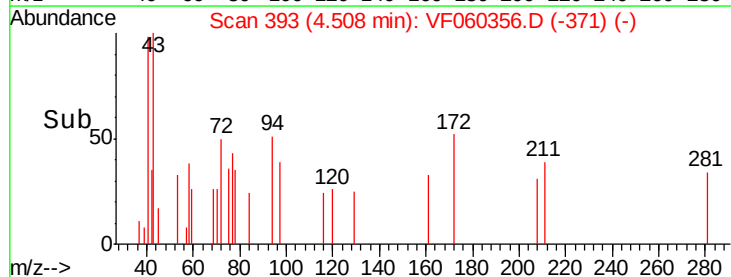
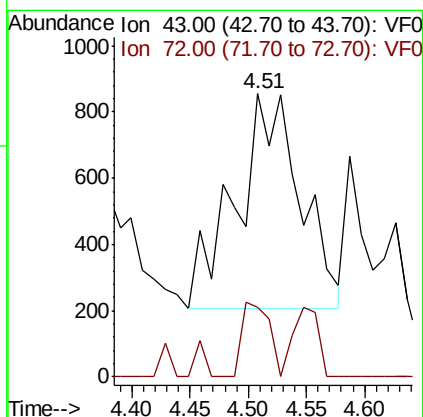
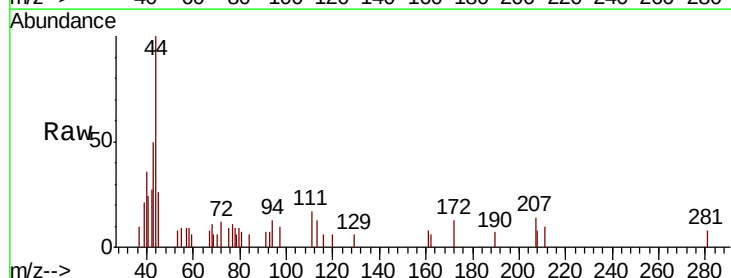
Instrument :
MSVOA_F
ClientSampleId :
CS-RBR-200027

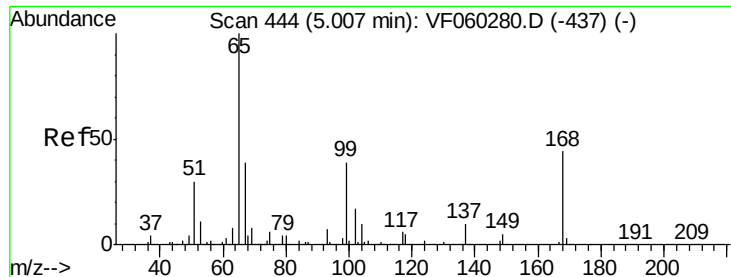
Tot Ion:	84	Resp:	9801
Ion	Ratio	Lower	Upper
84	100		
49	142.3	118.3	177.5
51	48.6	38.7	58.1
86	64.3	55.8	83.6



#25
2-Butanone
Concen: 1.309 ug/l
RT: 4.51 min Scan# 393
Delta R.T. 0.01 min
Lab File: VF060356.D
Acq: 26 Sep 2018 17:16

Tgt Ion:	43	Resp:	2505
Ion	Ratio	Lower	Upper
43	100		
72	24.7	16.2	24.2#





#33

1,2-Dichloroethane-d4

Concen: 50.563 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

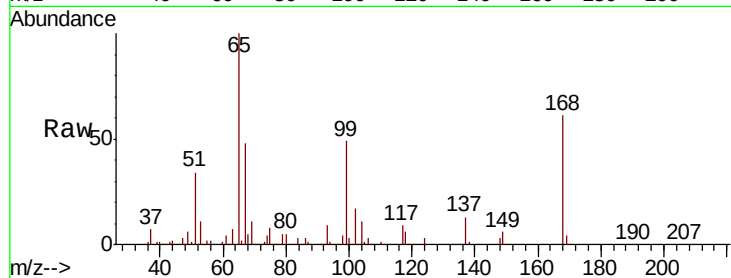
CS-RBR-200027

Tot Ion: 65 Resp: 255282

Ion Ratio Lower Upper

65 100

67 47.5 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

100000

80000

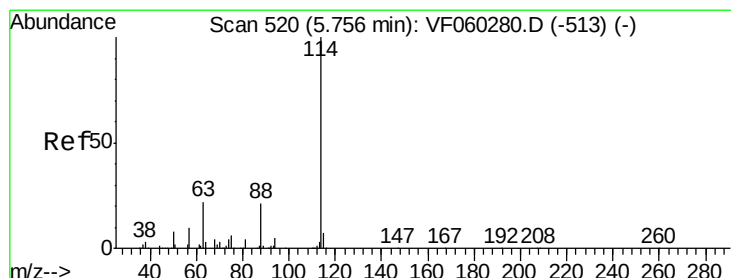
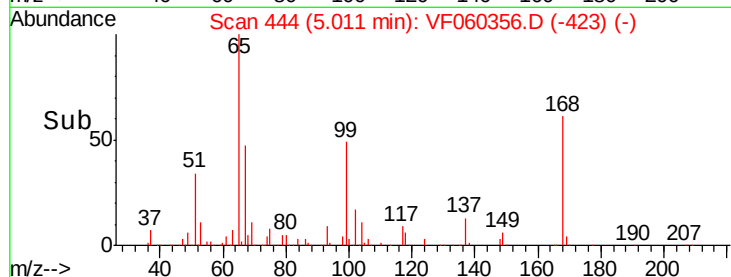
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

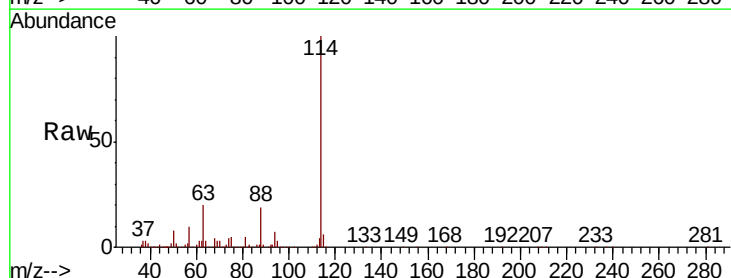
Tgt Ion: 114 Resp: 634708

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.8

88 19.3 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.76

300000

250000

200000

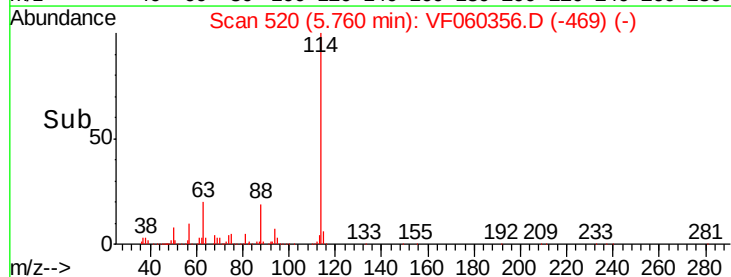
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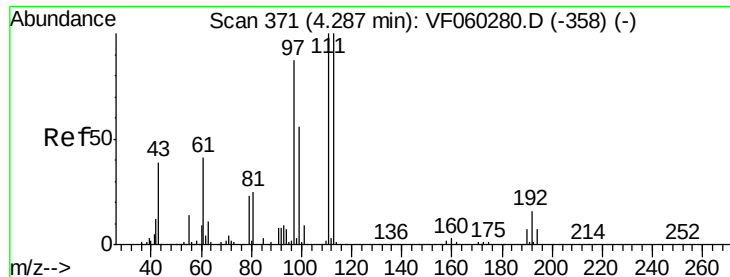
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Time-->

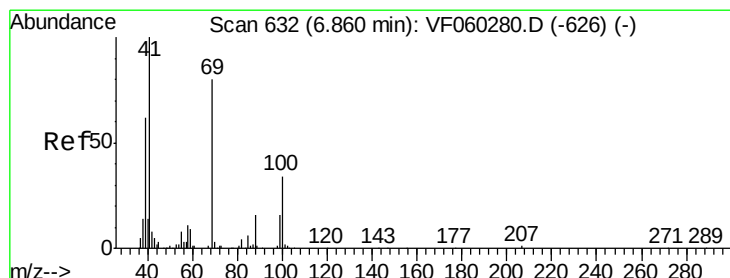
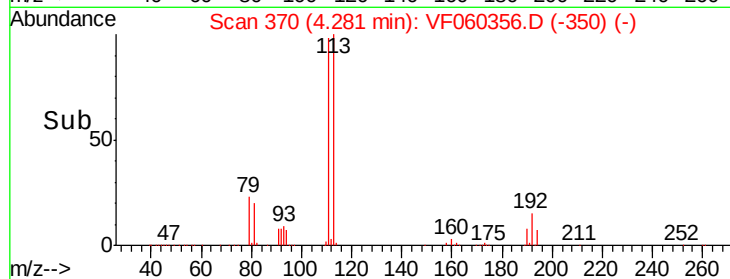
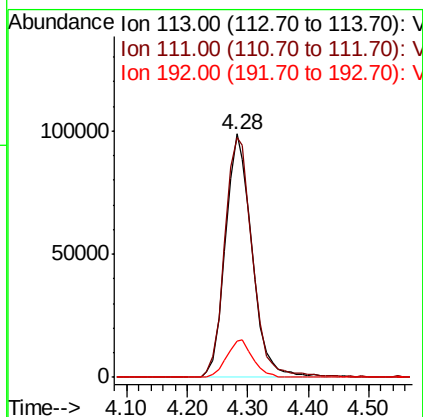
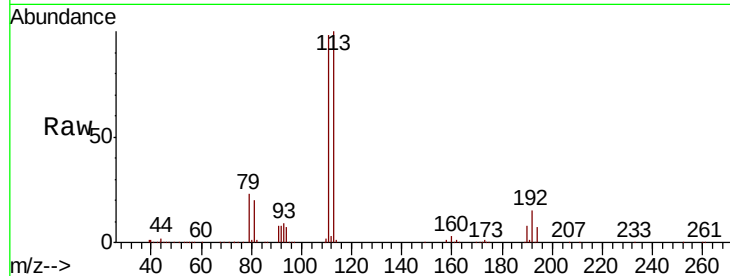




#35
 Dibromofluoromethane
 Concen: 53.408 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060356.D
 Acq: 26 Sep 2018 17:16

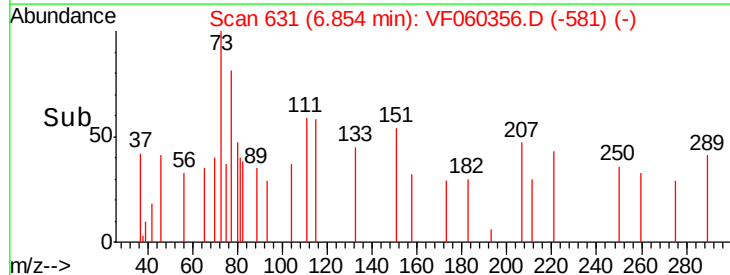
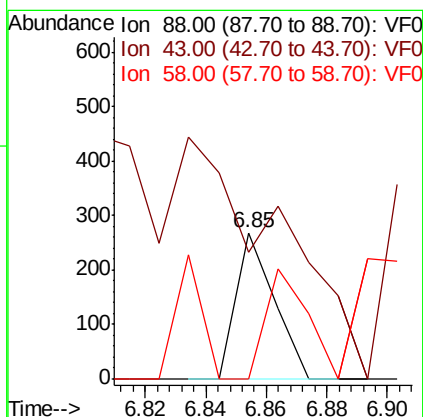
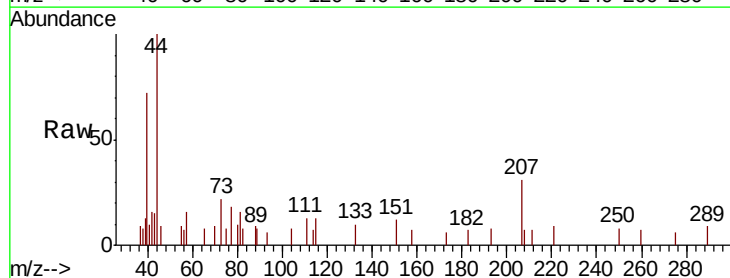
Instrument :
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 CS-RBR-200027

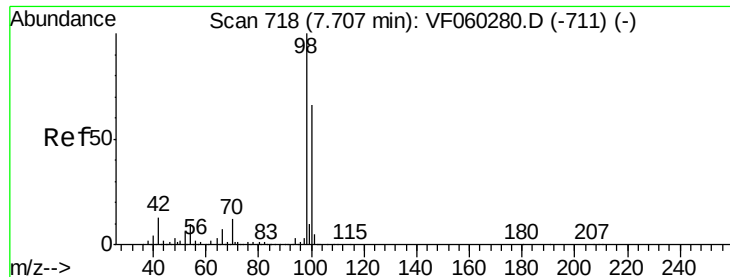
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.4	79.6	119.4
192	14.9	13.0	19.6



#49
 1,4-Dioxane
 Concen: 9.292 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VF060356.D
 Acq: 26 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
88	100		
43	86.6	40.2	60.4#
58	0.0	56.7	85.1#

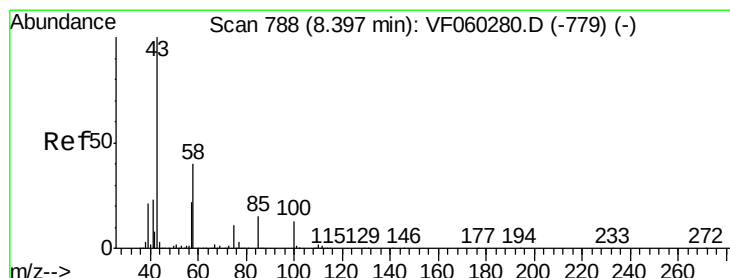
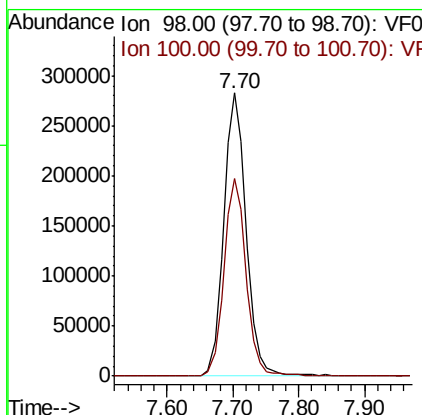
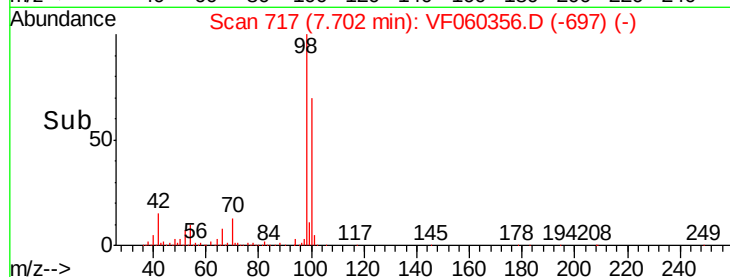
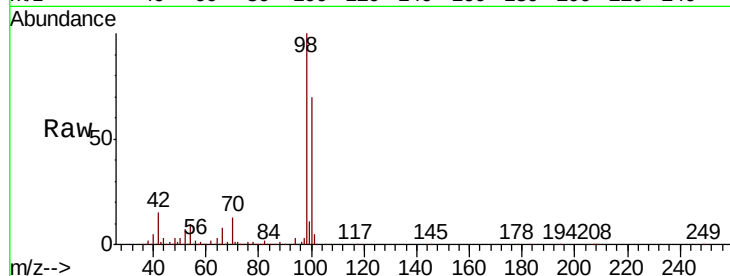




#50
Toluene-d8
Concen: 45.589 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060356.D
Acq: 26 Sep 2018 17:16

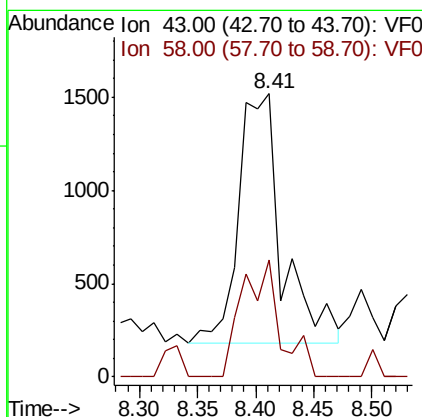
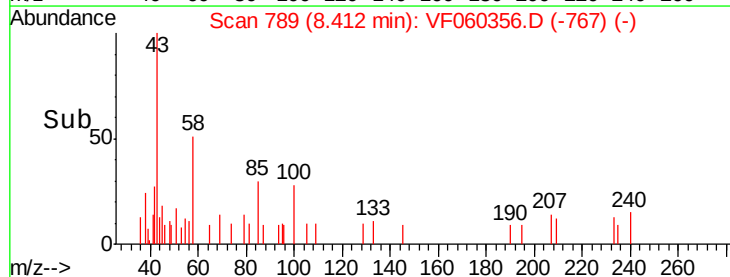
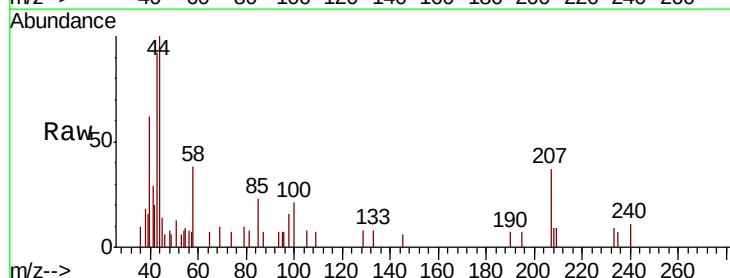
Instrument :
MSVOA_F
ClientSampleId :
CS-RBR-200027

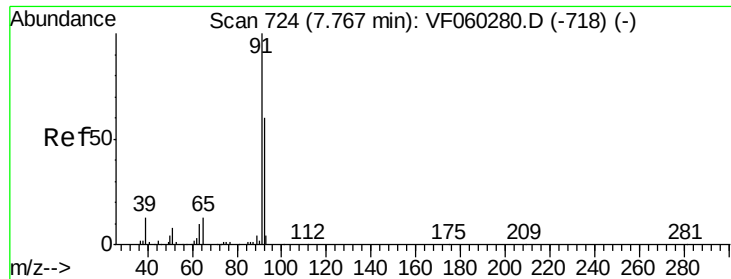
Tot Ion: 98 Resp: 671735
Ion Ratio Lower Upper
98 100
100 69.7 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.107 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF060356.D
Acq: 26 Sep 2018 17:16

Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
58 41.3 31.8 47.8

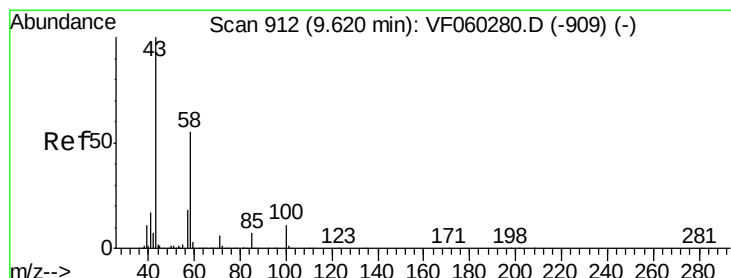
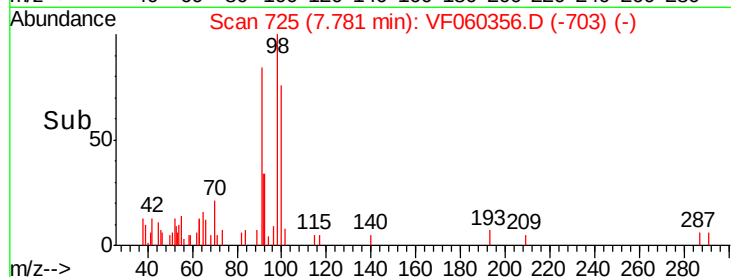
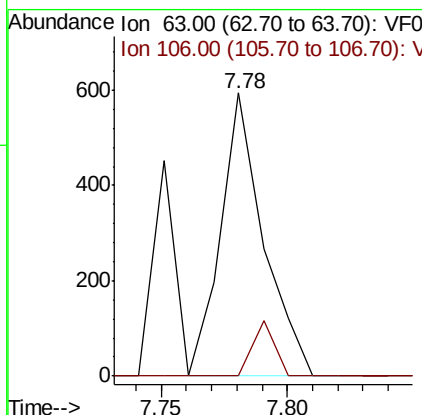
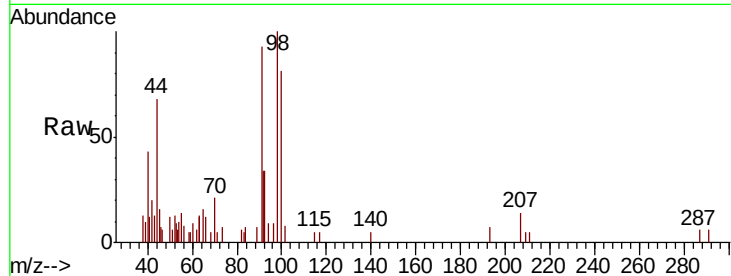




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.891 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VF060356.D
 Acq: 26 Sep 2018 17:16

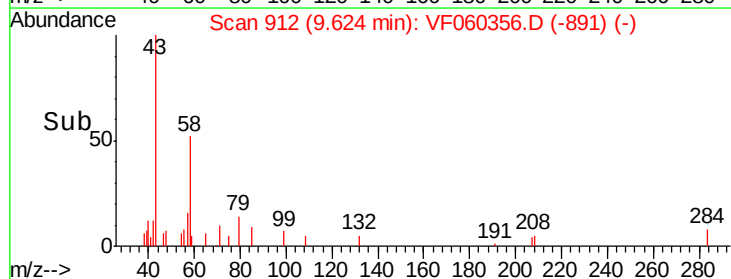
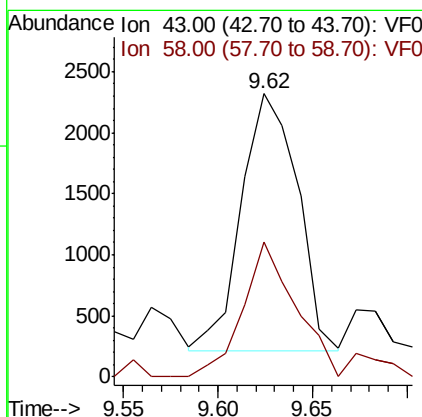
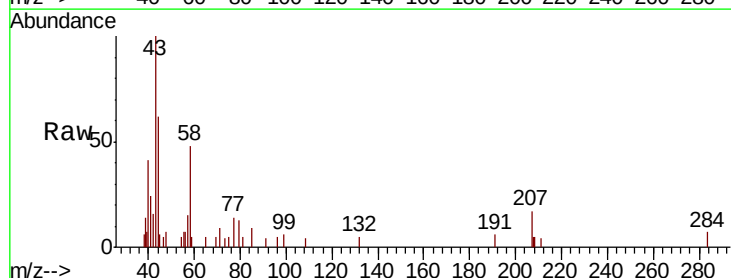
Instrument :
 MSVOA_F
 ClientSampleId :
 CS-RBR-200027

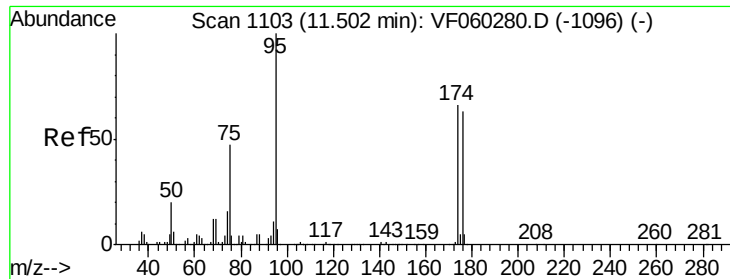
Tot Ion: 63 Resp: 696
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 1.957 ug/l
 RT: 9.62 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VF060356.D
 Acq: 26 Sep 2018 17:16

Tgt Ion: 43 Resp: 4331
 Ion Ratio Lower Upper
 43 100
 58 47.8 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 42.728 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

CS-RBR-200027

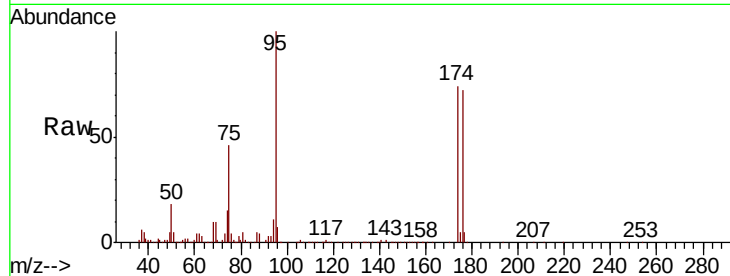
Tot Ion: 95 Resp: 272146

Ion Ratio Lower Upper

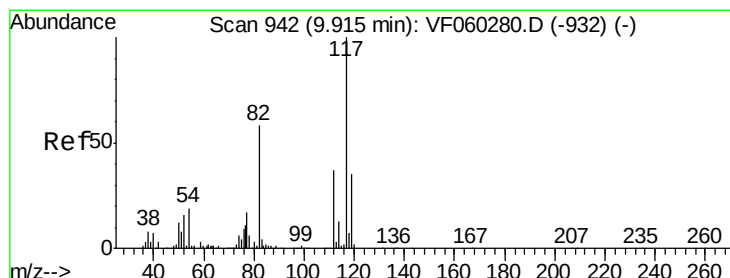
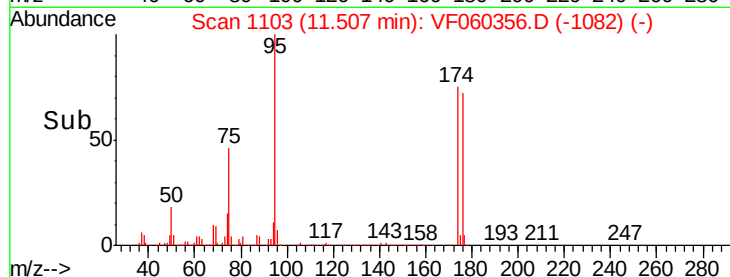
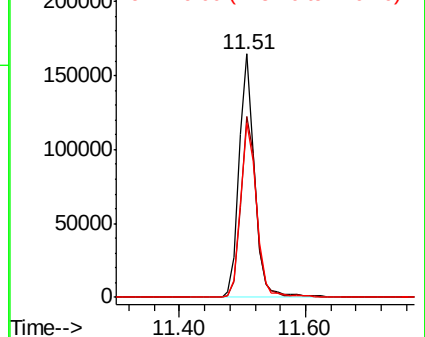
95 100

174 74.5 0.0 131.2

176 71.7 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: VF060356.D

Acq: 26 Sep 2018 17:16

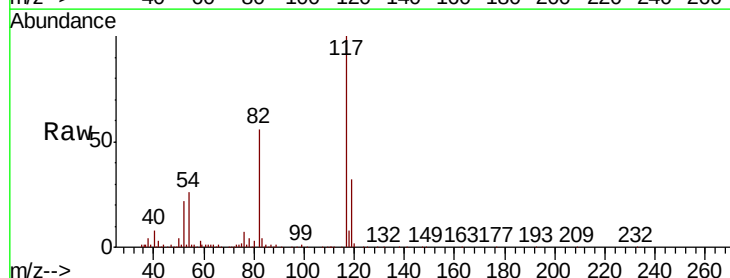
Tgt Ion: 117 Resp: 507099

Ion Ratio Lower Upper

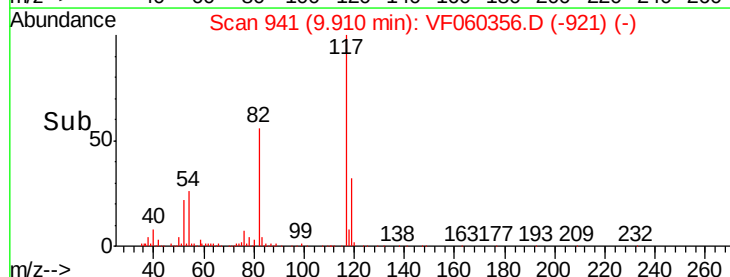
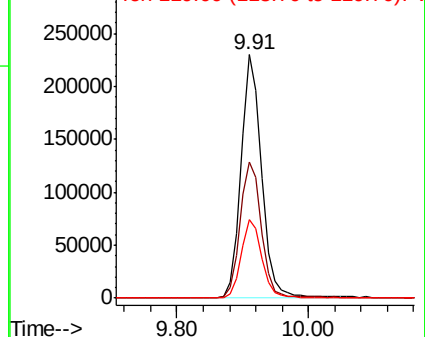
117 100

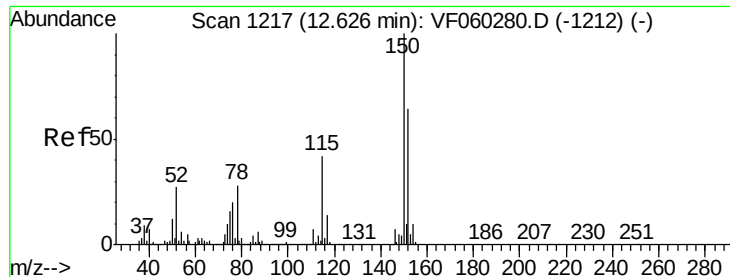
82 55.8 46.2 69.2

119 32.1 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



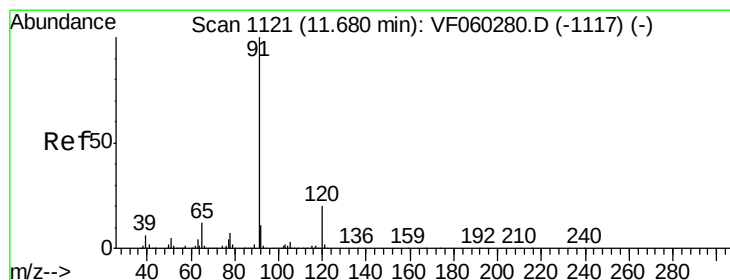
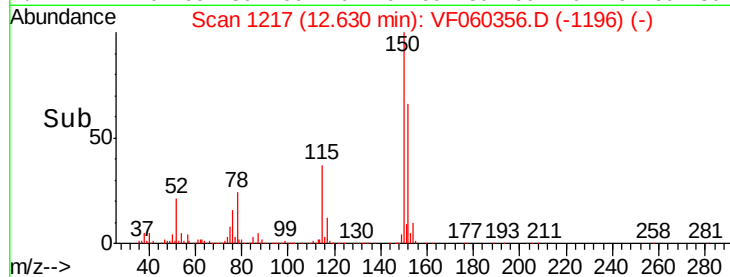
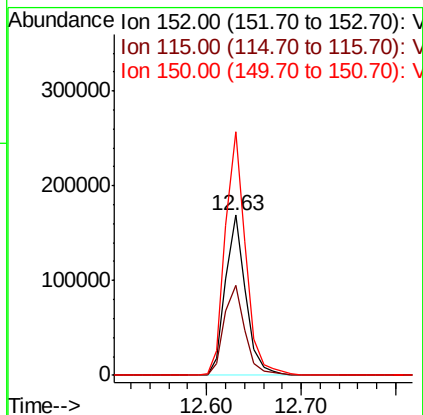
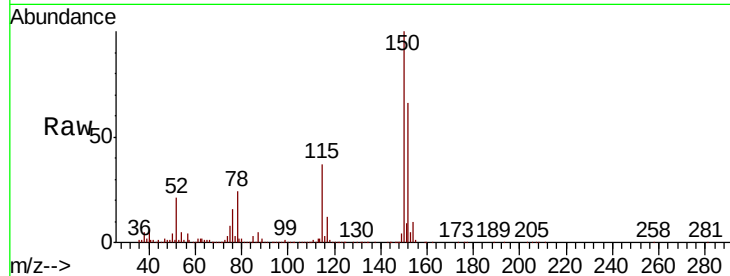


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060356.D
Acq: 26 Sep 2018 17:16

Instrument :
MSVOA_F
ClientSampled :
CS-RBR-200027

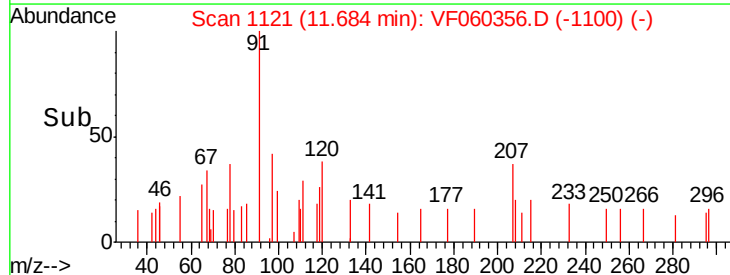
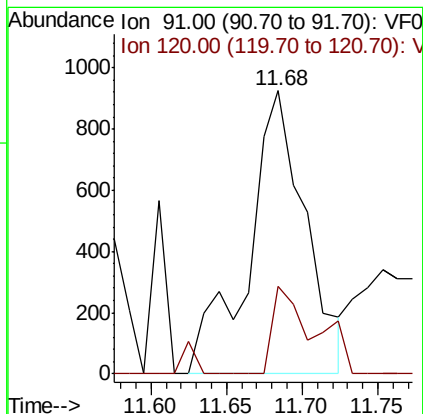
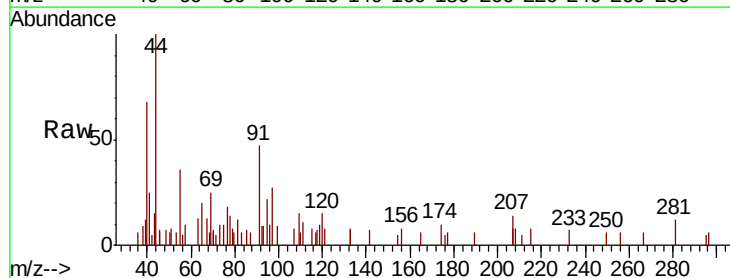
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.5	32.6	97.8
150	152.0	0.0	314.2

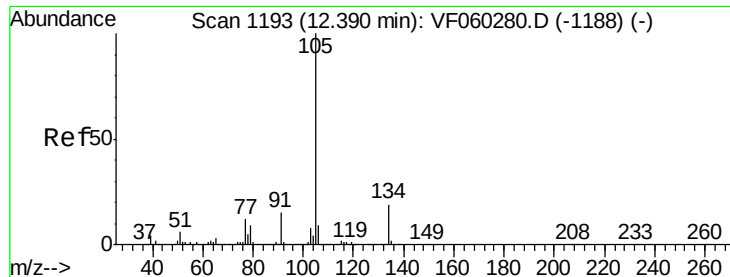


#78

n-propylbenzene
Concen: Below Cal
RT: 11.68 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF060356.D
Acq: 26 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	30.9	10.0	29.8#





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

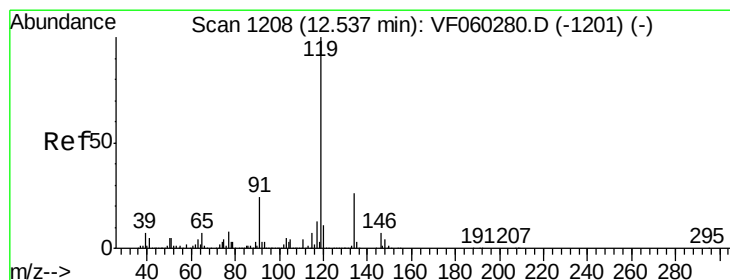
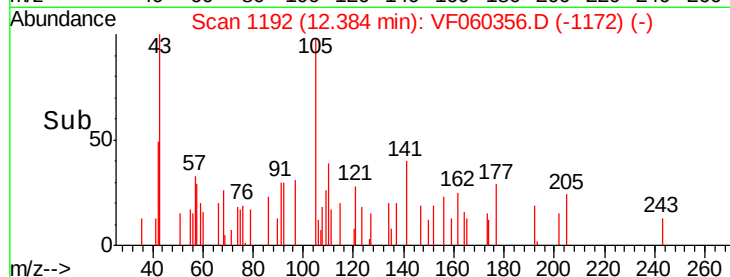
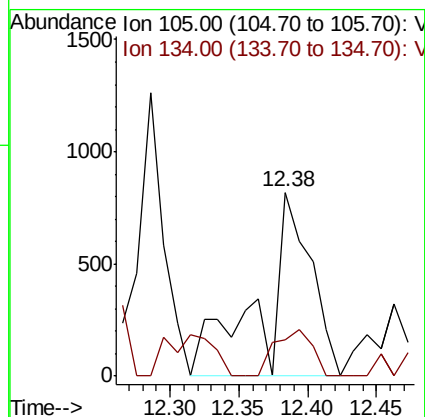
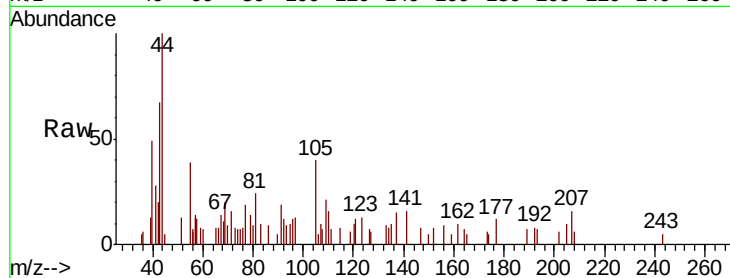
CS-RBR-200027

Tot Ion:105 Resp: 2046

Ion Ratio Lower Upper

105 100

134 20.0 9.6 28.6



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

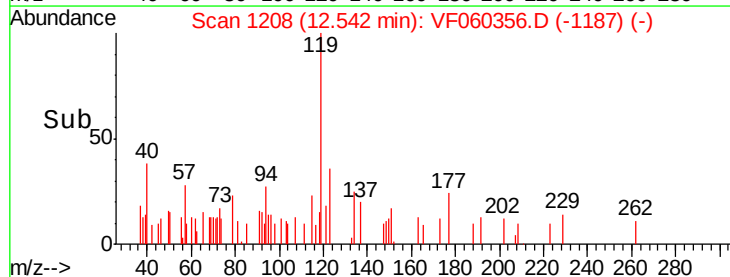
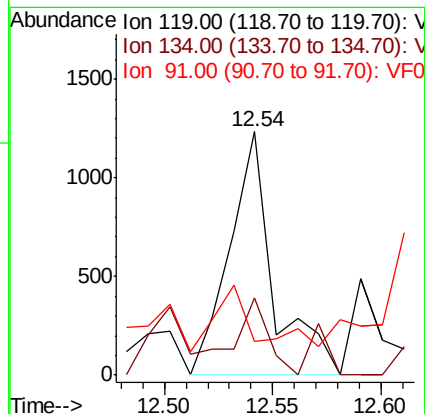
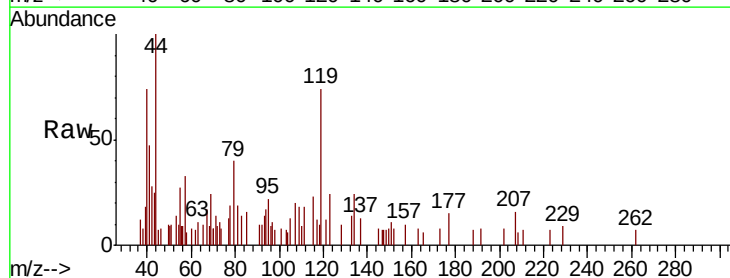
Tgt Ion:119 Resp: 1749

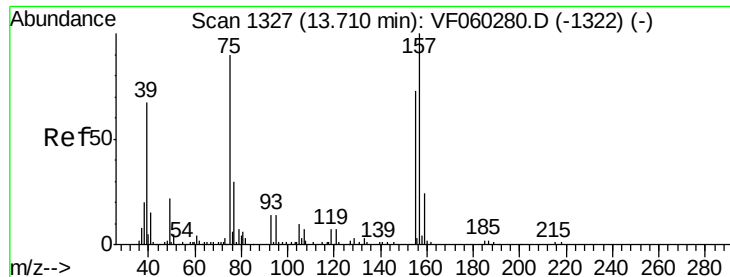
Ion Ratio Lower Upper

119 100

134 31.8 12.9 38.7

91 14.0 11.9 35.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.090 ug/l

RT: 13.69 min Scan# 1324

Delta R.T. -0.03 min

Lab File: VF060356.D

Acq: 26 Sep 2018 17:16

Instrument :

MSVOA_F

ClientSampleId :

CS-RBR-200027

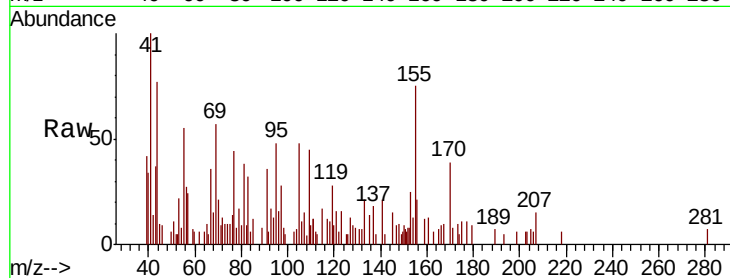
Tot Ion: 75 Resp: 821

Ion Ratio Lower Upper

75 100

155 744.8 41.9 125.7#

157 0.0 57.4 172.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

