

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060345.D
 Acq On : 26 Sep 2018 00:41
 Operator : VA/AP
 Sample : J5070-01
 Misc : 5.93/5mL/MSVOA_F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-RBR-200027

Quant Time: Sep 26 01:49:45 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	685799	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	1130522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	744226	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	440923	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	405465	43.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.82%	
35) Dibromofluoromethane	4.27	113	499585	49.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.14%	
50) Toluene-d8	7.69	98	843105	32.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	64.24%	
62) 4-Bromofluorobenzene	11.50	95	491006	43.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.56%	

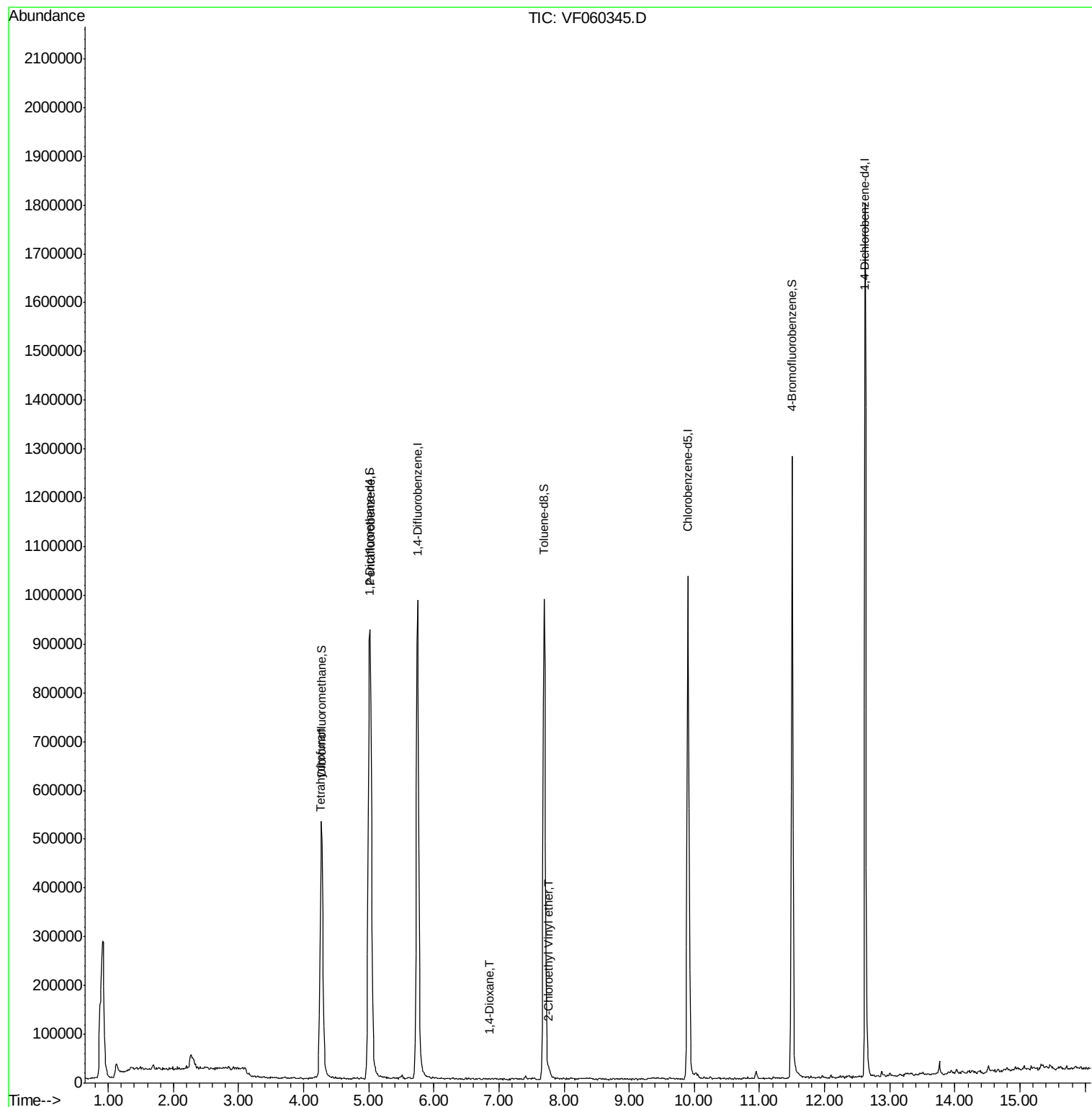
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	734	Below Cal	#	40
5) Bromomethane	1.35	94	330	Below Cal	#	65
11) Tert butyl alcohol	2.65	59	604	Below Cal	#	22
13) Acrolein	2.22	56	601	Below Cal		94
17) Carbon Disulfide	1.87	76	790	Below Cal	#	1
20) Methylene Chloride	2.27	84	21301	Below Cal	#	87
29) Tetrahydrofuran	4.25	42	1891	1.475	ug/l #	53
49) 1,4-Dioxane	6.86	88	113	2.508	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.77	63	1599	2.439	ug/l	100
78) n-propylbenzene	11.68	91	1806	Below Cal		94
85) sec-Butylbenzene	12.38	105	2540	Below Cal		92
86) p-Isopropyltoluene	12.53	119	1111	Below Cal		93
89) n-Butylbenzene	12.92	91	2590	Below Cal		99

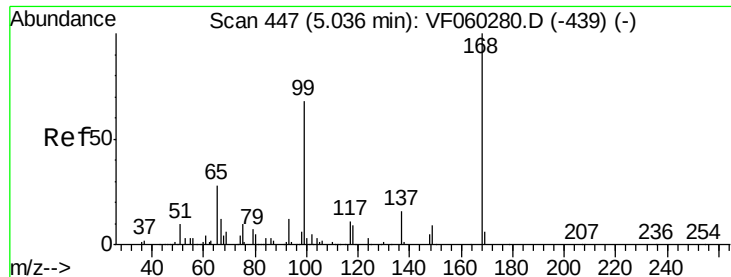
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060345.D

Acq: 26 Sep 2018 00:41

Instrument :

MSVOA_F

ClientSampleId :

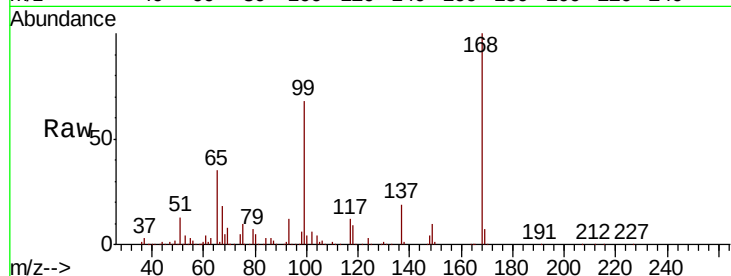
CS-RBR-200027

Tgt Ion:168 Resp: 685799

Ion Ratio Lower Upper

168 100

99 68.2 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

250000

200000

150000

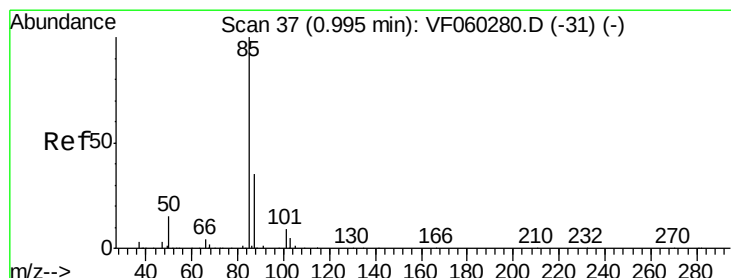
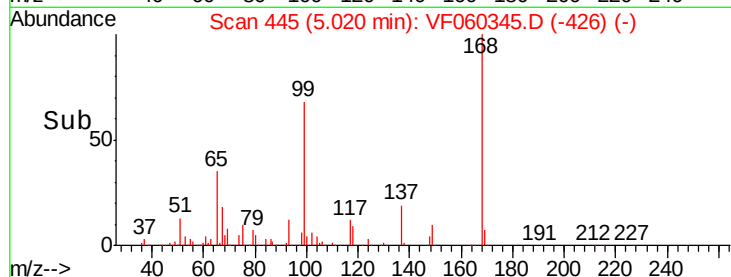
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060345.D

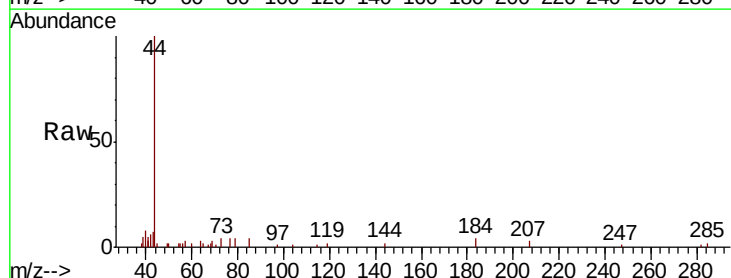
Acq: 26 Sep 2018 00:41

Tgt Ion: 85 Resp: 734

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

1.00

300

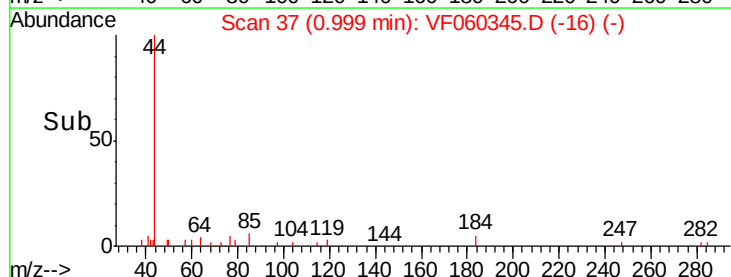
200

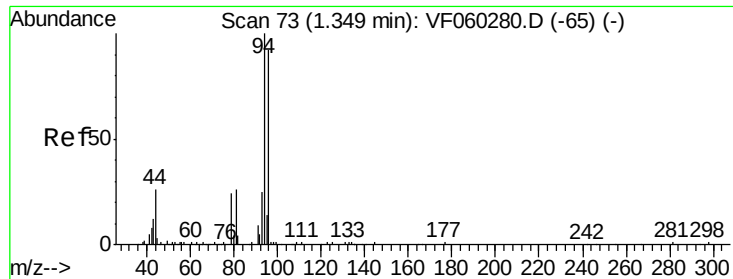
100

0

Time-->

0.95 1.00 1.05





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060345.D

Acq: 26 Sep 2018 00:41

Instrument :

MSVOA_F

ClientSampleId :

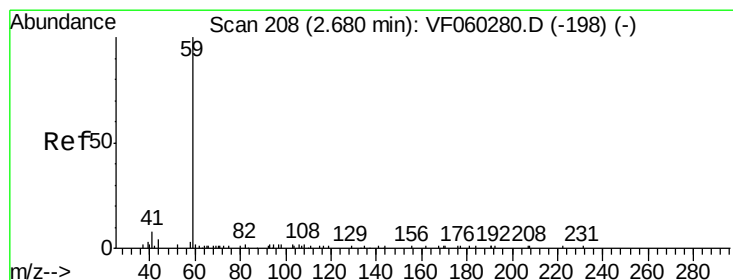
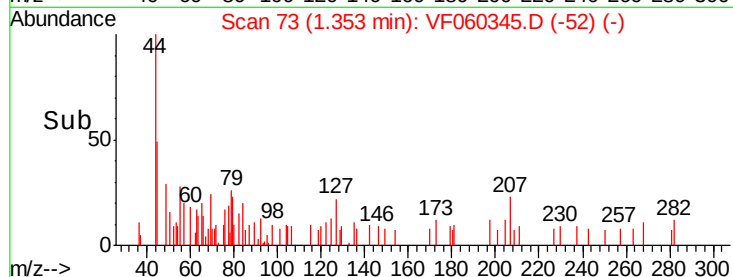
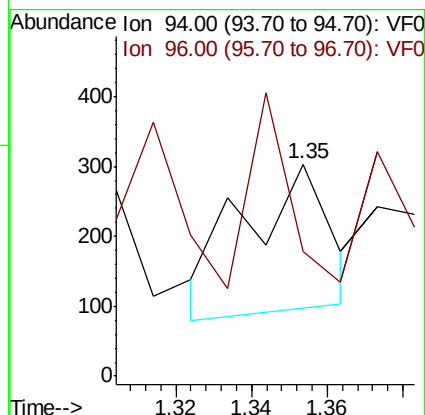
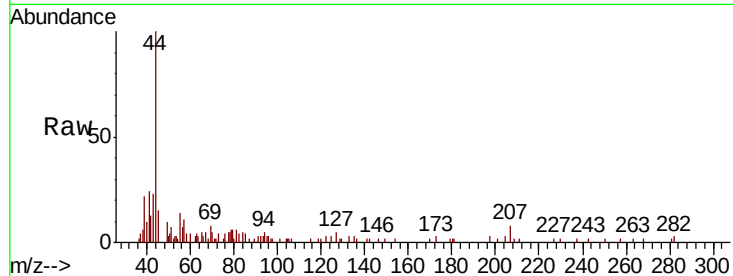
CS-RBR-200027

Tgt Ion: 94 Resp: 330

Ion Ratio Lower Upper

94 100

96 59.1 73.9 110.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.65 min Scan# 205

Delta R.T. -0.03 min

Lab File: VF060345.D

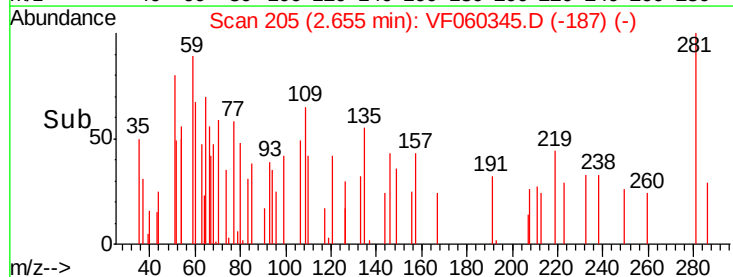
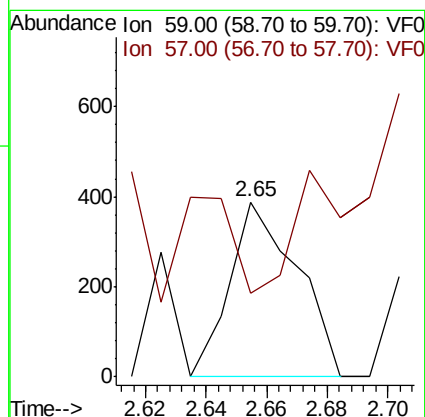
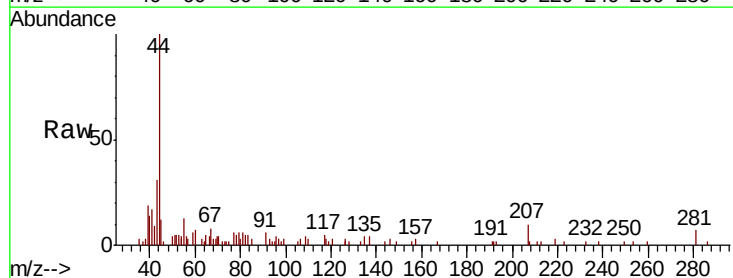
Acq: 26 Sep 2018 00:41

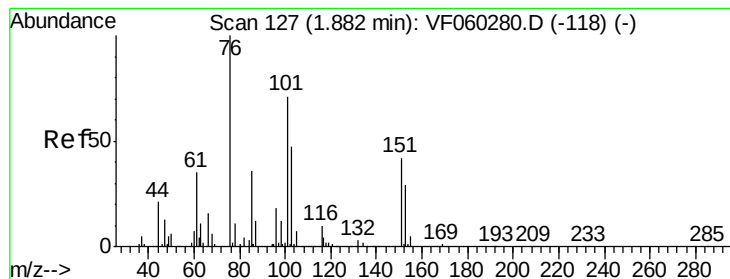
Tgt Ion: 59 Resp: 604

Ion Ratio Lower Upper

59 100

57 48.2 12.4 18.6#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.87 min Scan# 125

Delta R.T. -0.01 min

Lab File: VF060345.D

Acq: 26 Sep 2018 00:41

Instrument :

MSVOA_F

ClientSampleId :

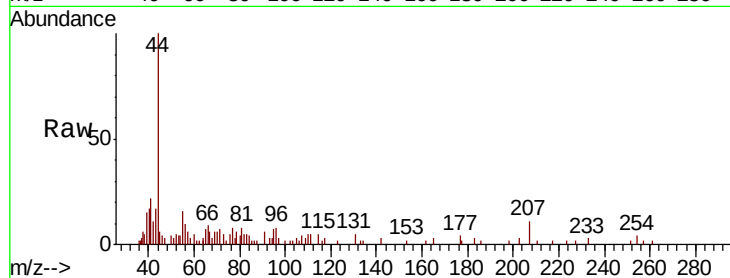
CS-RBR-200027

Tgt Ion: 76 Resp: 790

Ion Ratio Lower Upper

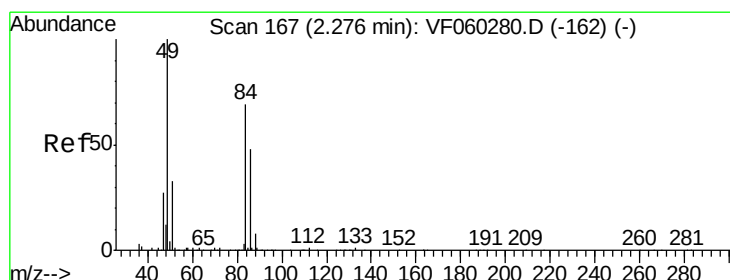
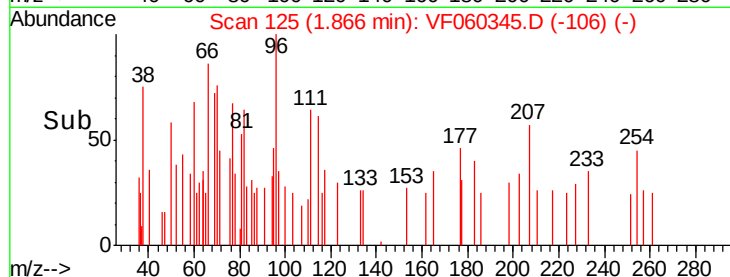
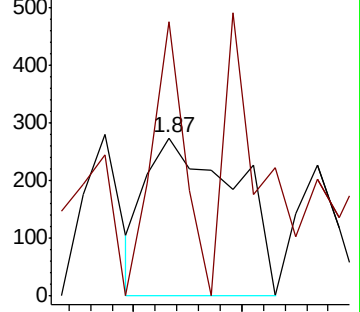
76 100

78 173.4 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF060345.D

Acq: 26 Sep 2018 00:41

Tgt Ion: 84 Resp: 21301

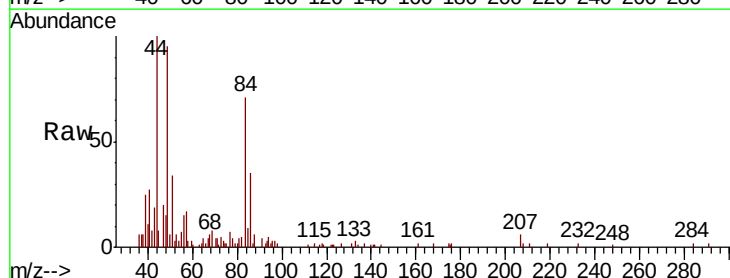
Ion Ratio Lower Upper

84 100

49 134.1 118.3 177.5

51 48.2 38.7 58.1

86 49.3 55.8 83.6#

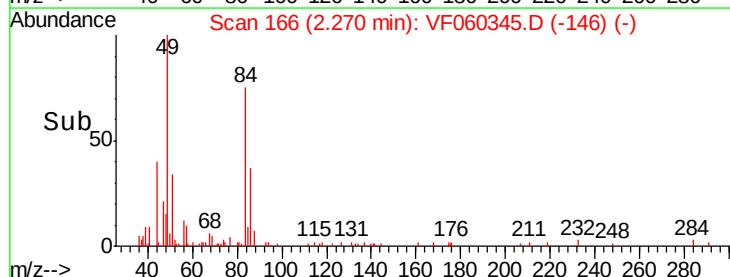
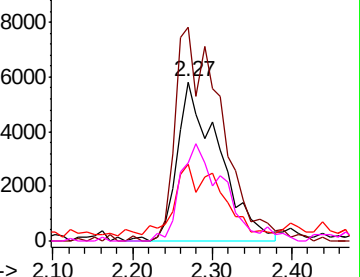


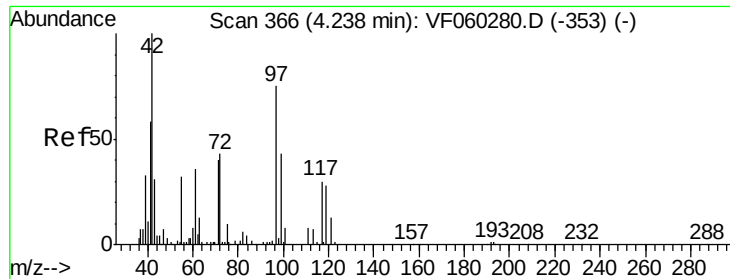
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#29

Tetrahydrofuran

Concen: 1.475 ug/l

RT: 4.25 min Scan# 367

Delta R.T. 0.01 min

Lab File: VF060345.D

Acq: 26 Sep 2018 00:41

Instrument :

MSVOA_F

ClientSampleId :

CS-RBR-200027

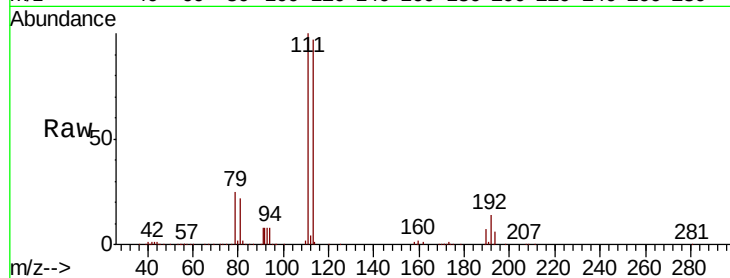
Tgt Ion: 42 Resp: 1891

Ion Ratio Lower Upper

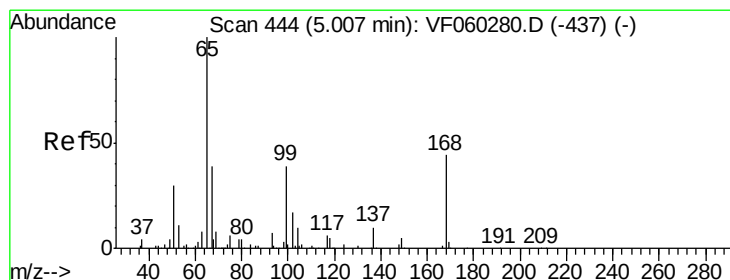
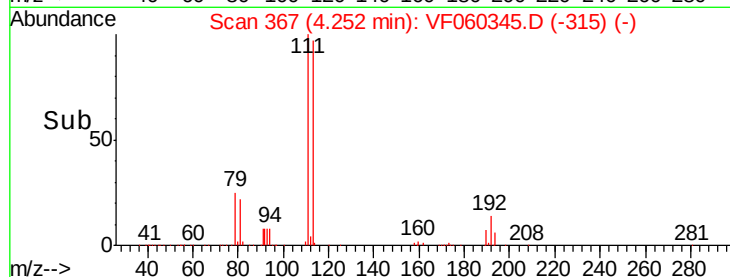
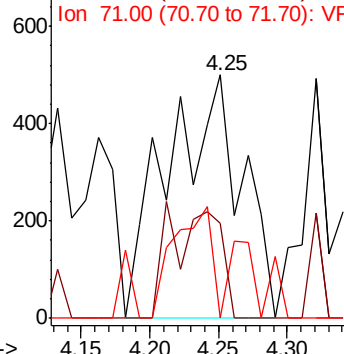
42 100

72 0.0 32.6 49.0#

71 23.2 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.908 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060345.D

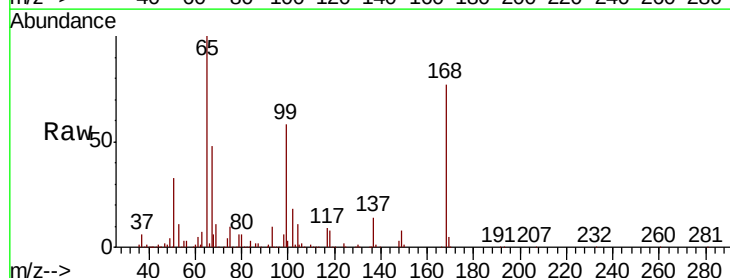
Acq: 26 Sep 2018 00:41

Tgt Ion: 65 Resp: 405465

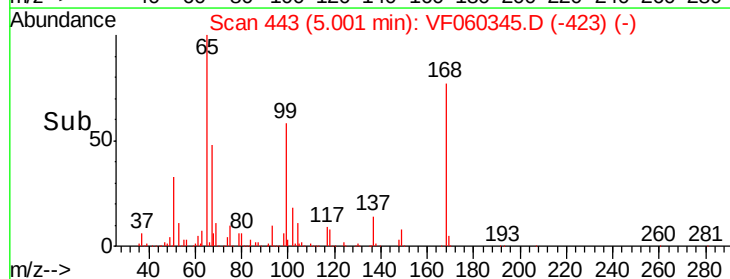
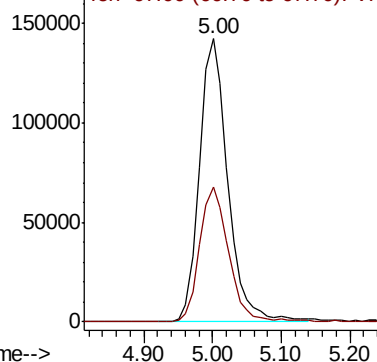
Ion Ratio Lower Upper

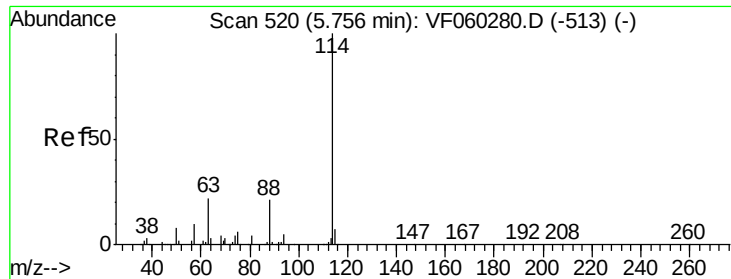
65 100

67 47.6 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

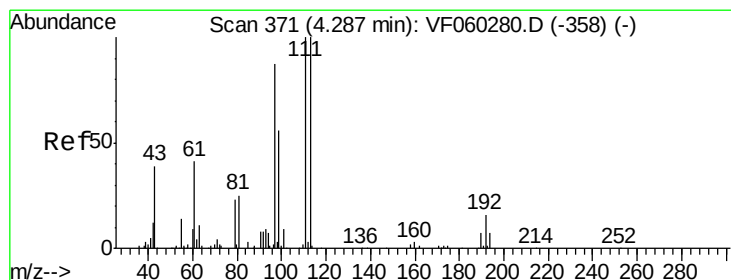
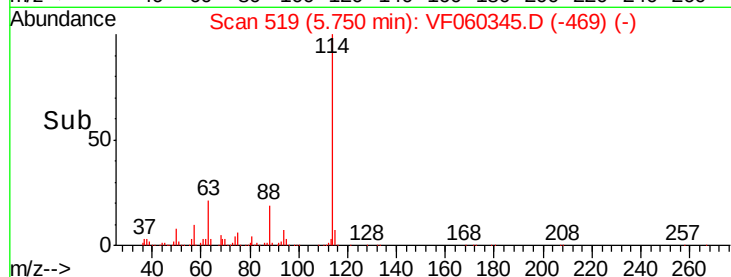
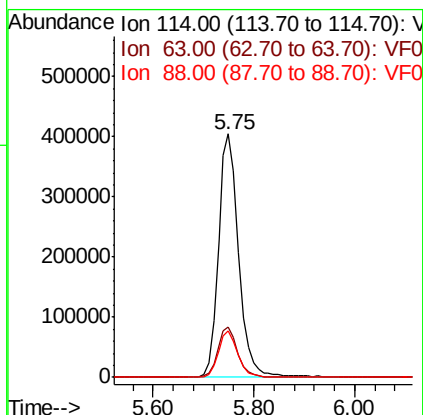
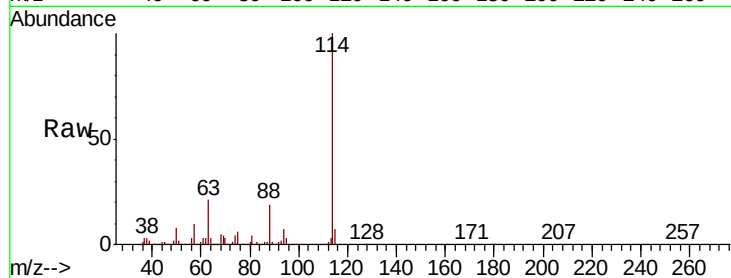




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060345.D
 Acq: 26 Sep 2018 00:41

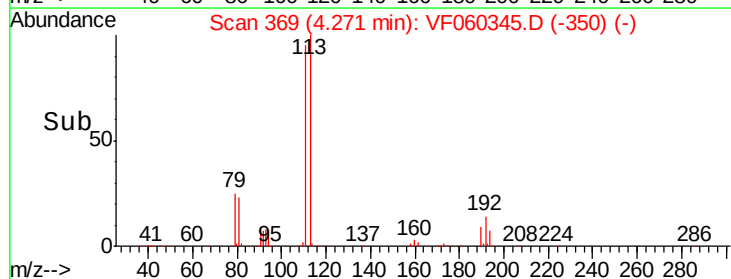
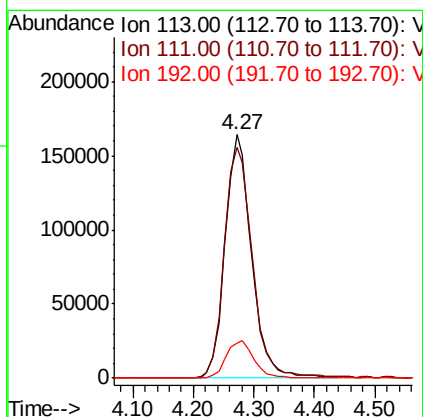
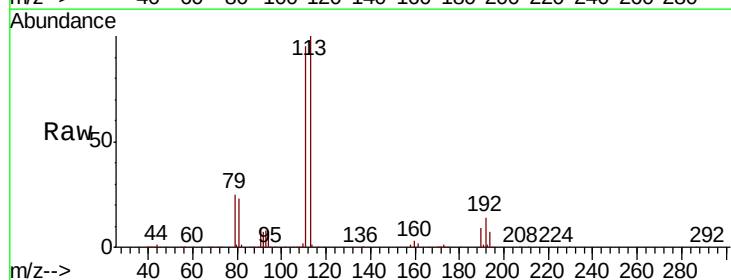
Instrument :
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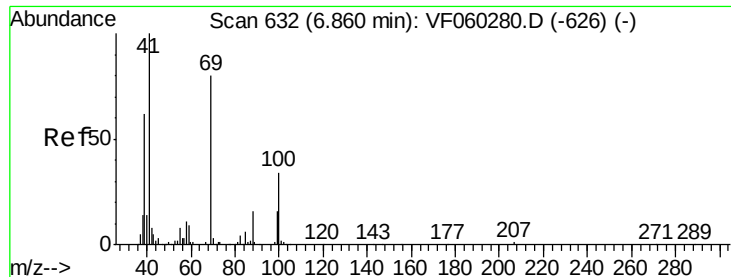
Tgt Ion:114 Resp: 1130522
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.8
 88 19.1 0.0 41.2



#35
 Dibromofluoromethane
 Concen: 49.573 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF060345.D
 Acq: 26 Sep 2018 00:41

Tgt Ion:113 Resp: 499585
 Ion Ratio Lower Upper
 113 100
 111 94.9 79.6 119.4
 192 14.6 13.0 19.6

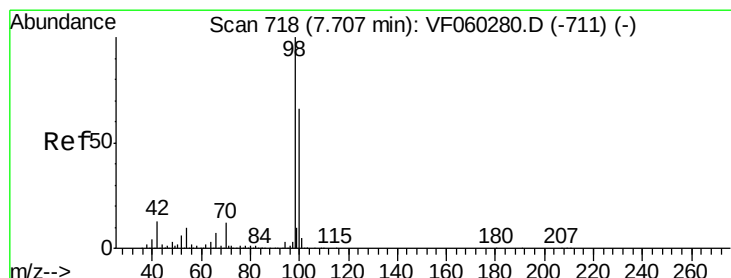
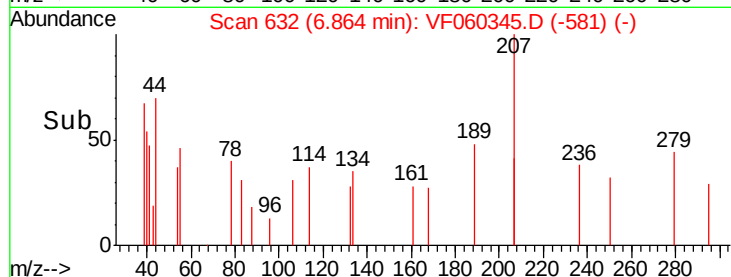
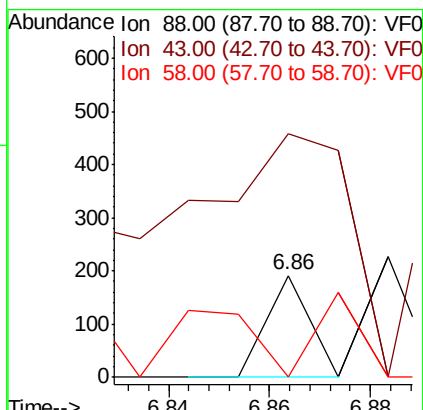
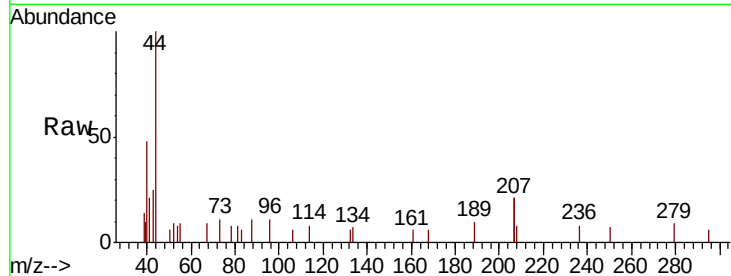




#49
1,4-Dioxane
Concen: 2.508 ug/l
RT: 6.86 min Scan# 632
Delta R.T. 0.00 min
Lab File: VF060345.D
Acq: 26 Sep 2018 00:41

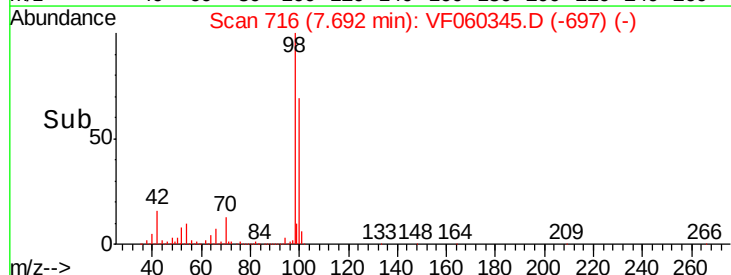
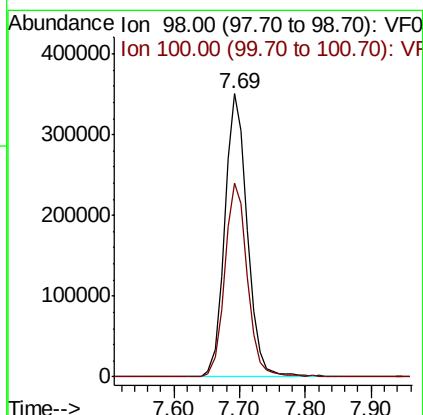
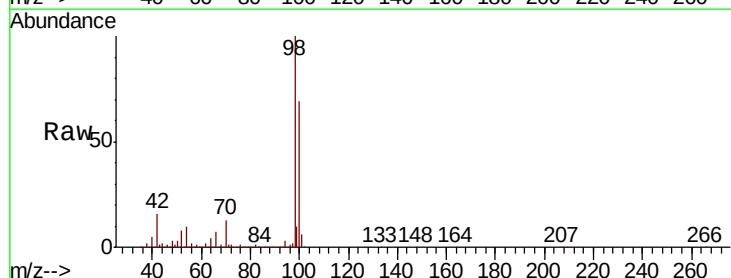
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CS-RBR-200027

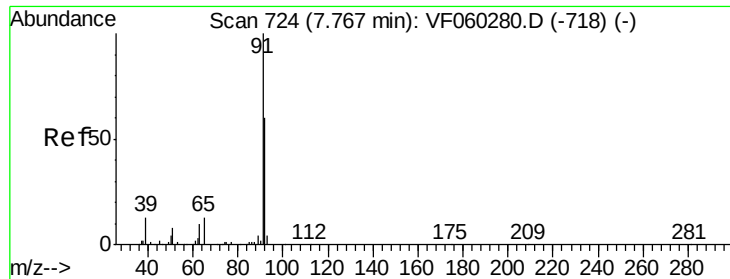
Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 239.8 40.2 60.4#
58 0.0 56.7 85.1#



#50
Toluene-d8
Concen: 32.125 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.02 min
Lab File: VF060345.D
Acq: 26 Sep 2018 00:41

Tgt Ion: 98 Resp: 843105
Ion Ratio Lower Upper
98 100
100 68.5 53.0 79.6

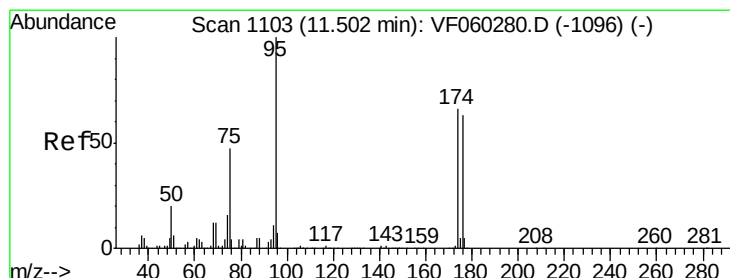
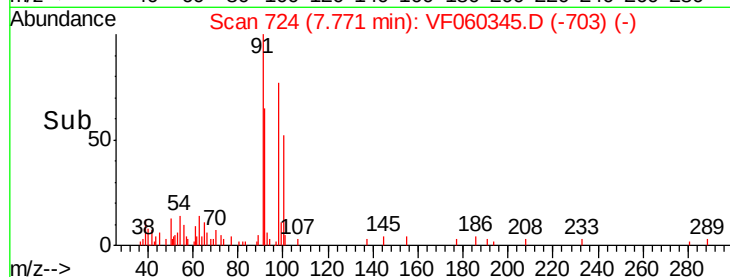
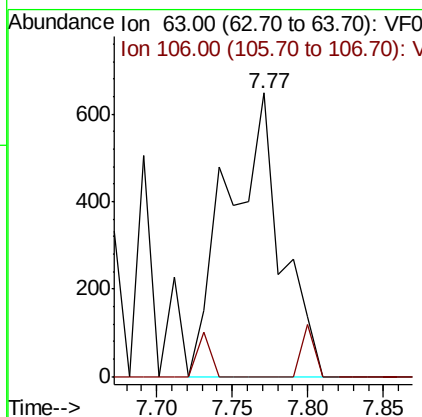
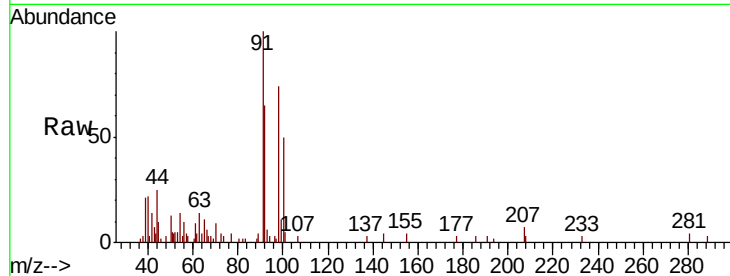




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.439 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VF060345.D
 Acq: 26 Sep 2018 00:41

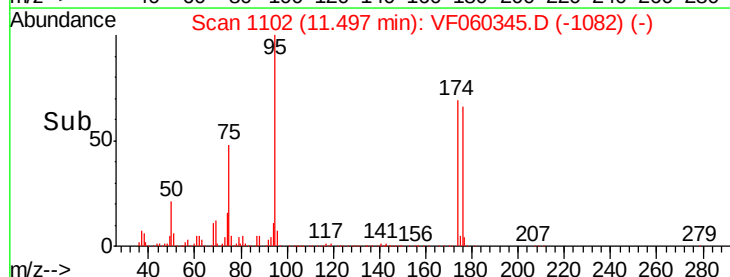
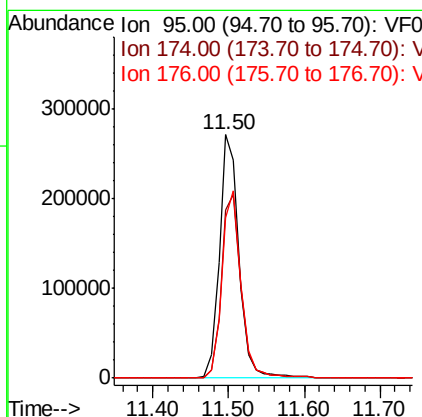
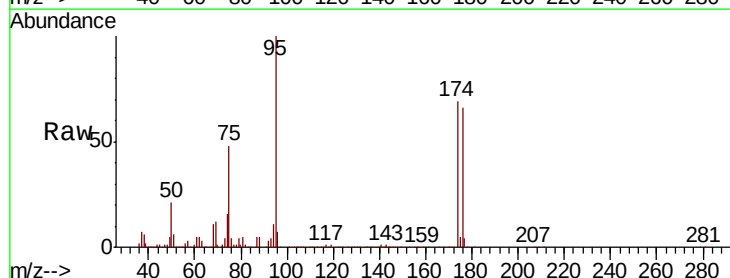
Instrument :
 MSVOA_F
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 CS-RBR-200027

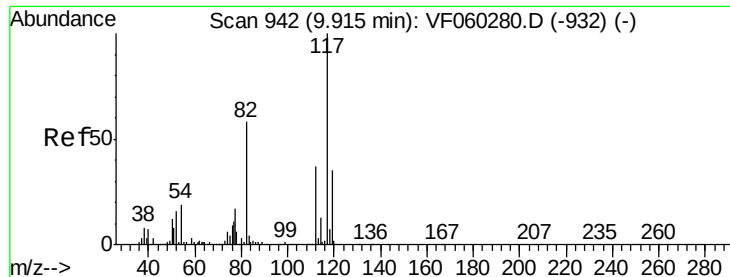
Tgt Ion: 63 Resp: 1599
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 43.280 ug/l
 RT: 11.50 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VF060345.D
 Acq: 26 Sep 2018 00:41

Tgt Ion: 95 Resp: 491006
 Ion Ratio Lower Upper
 95 100
 174 69.3 0.0 131.2
 176 65.9 0.0 126.6

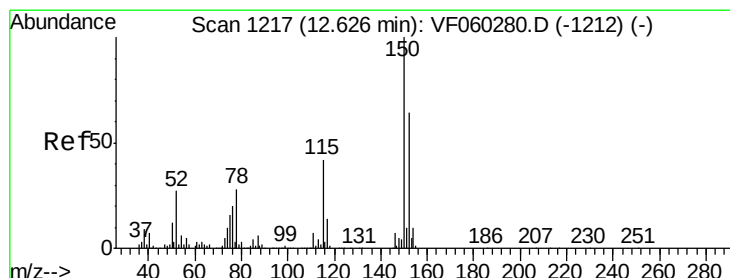
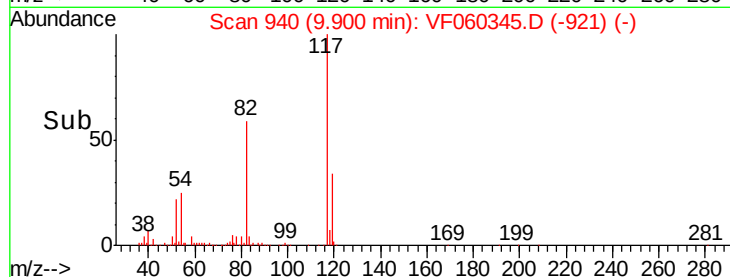
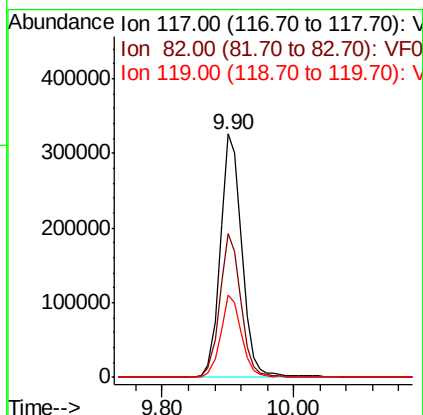
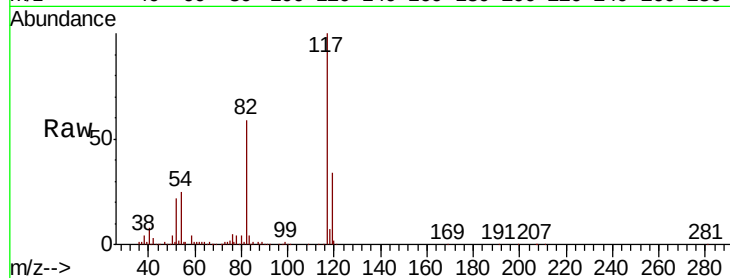




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060345.D
Acq: 26 Sep 2018 00:41

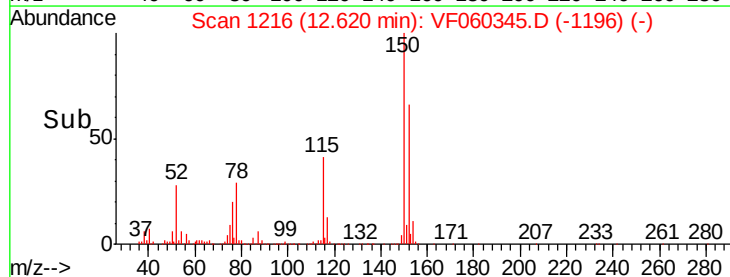
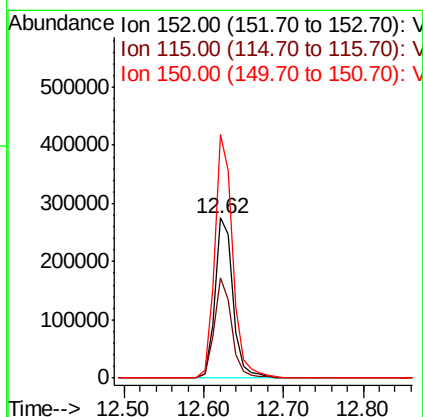
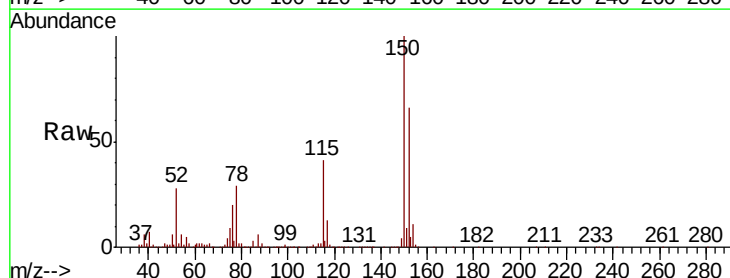
Instrument :
MSVOA_F
ClientSampleId :
CS-RBR-200027

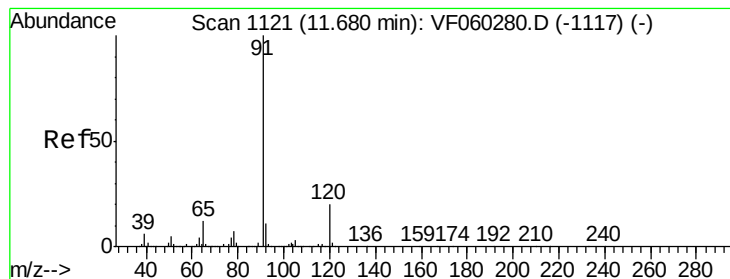
Tgt Ion:117 Resp: 744226
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.2
119 33.6 27.8 41.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060345.D
Acq: 26 Sep 2018 00:41

Tgt Ion:152 Resp: 440923
Ion Ratio Lower Upper
152 100
115 62.2 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. 0.00 min

Lab File: VF060345.D

Acq: 26 Sep 2018 00:41

Instrument :

MSVOA_F

ClientSampleId :

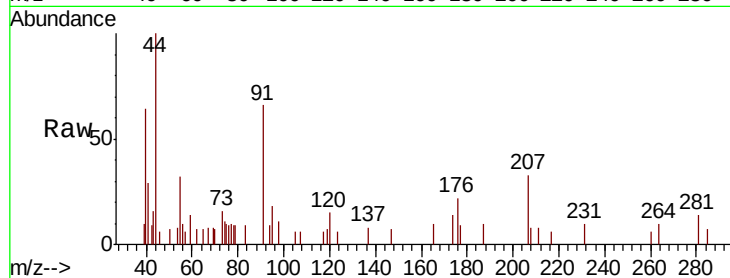
CS-RBR-200027

Tgt Ion: 91 Resp: 1806

Ion Ratio Lower Upper

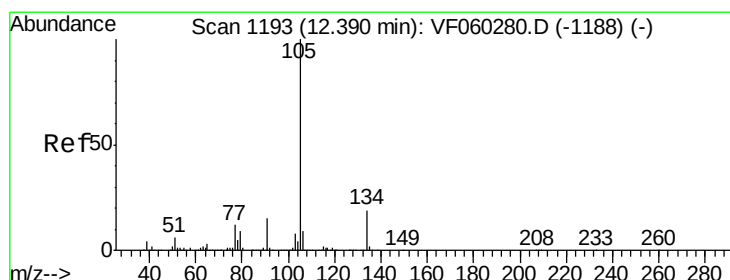
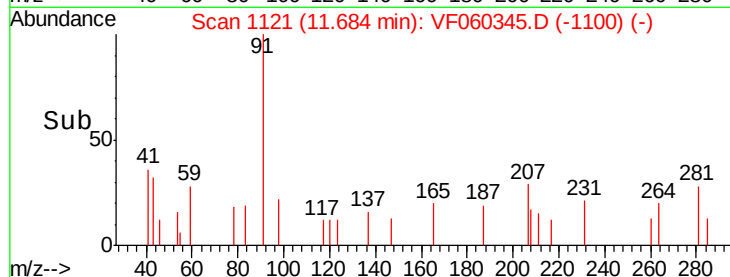
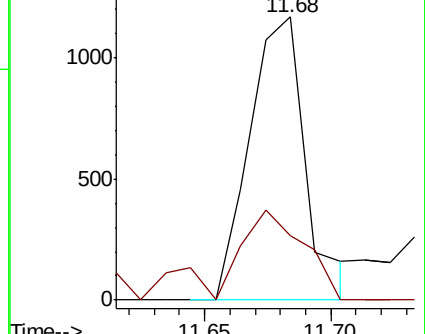
91 100

120 22.8 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: VF060345.D

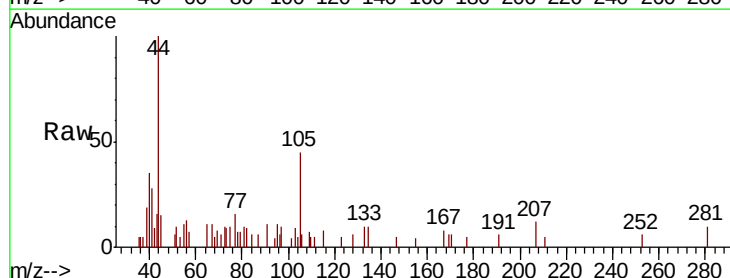
Acq: 26 Sep 2018 00:41

Tgt Ion: 105 Resp: 2540

Ion Ratio Lower Upper

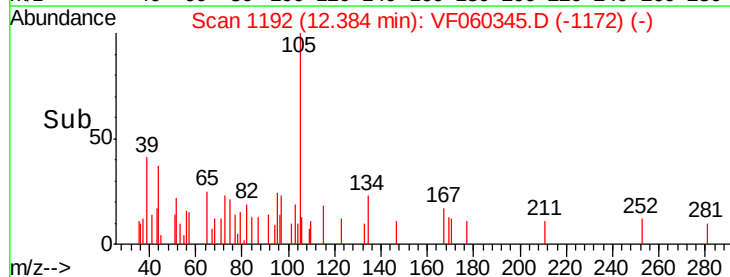
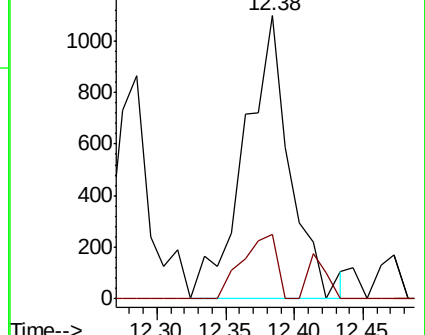
105 100

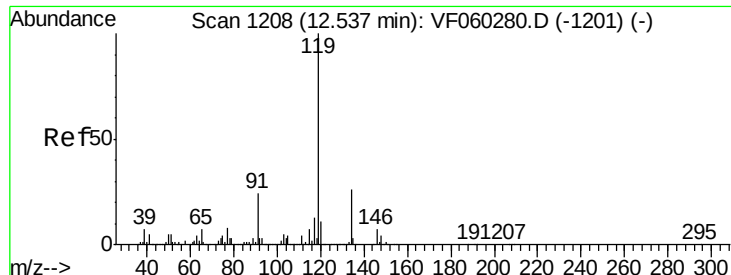
134 22.8 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060345.D
 Acq: 26 Sep 2018 00:41

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-RBR-200027

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.4	12.9	38.7
91	27.6	11.9	35.7

