

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060285.D
 Acq On : 19 Sep 2018 17:40
 Operator : VA/AP
 Sample : VF0919SBL01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBL01

Quant Time: Sep 20 09:13:30 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	273762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	392620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	362512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	199553	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	183374	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	4.28	113	216780	61.94	ug/l	0.00
Spiked Amount			Recovery	=	123.88%	
50) Toluene-d8	7.70	98	485194	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.51	95	211756	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	

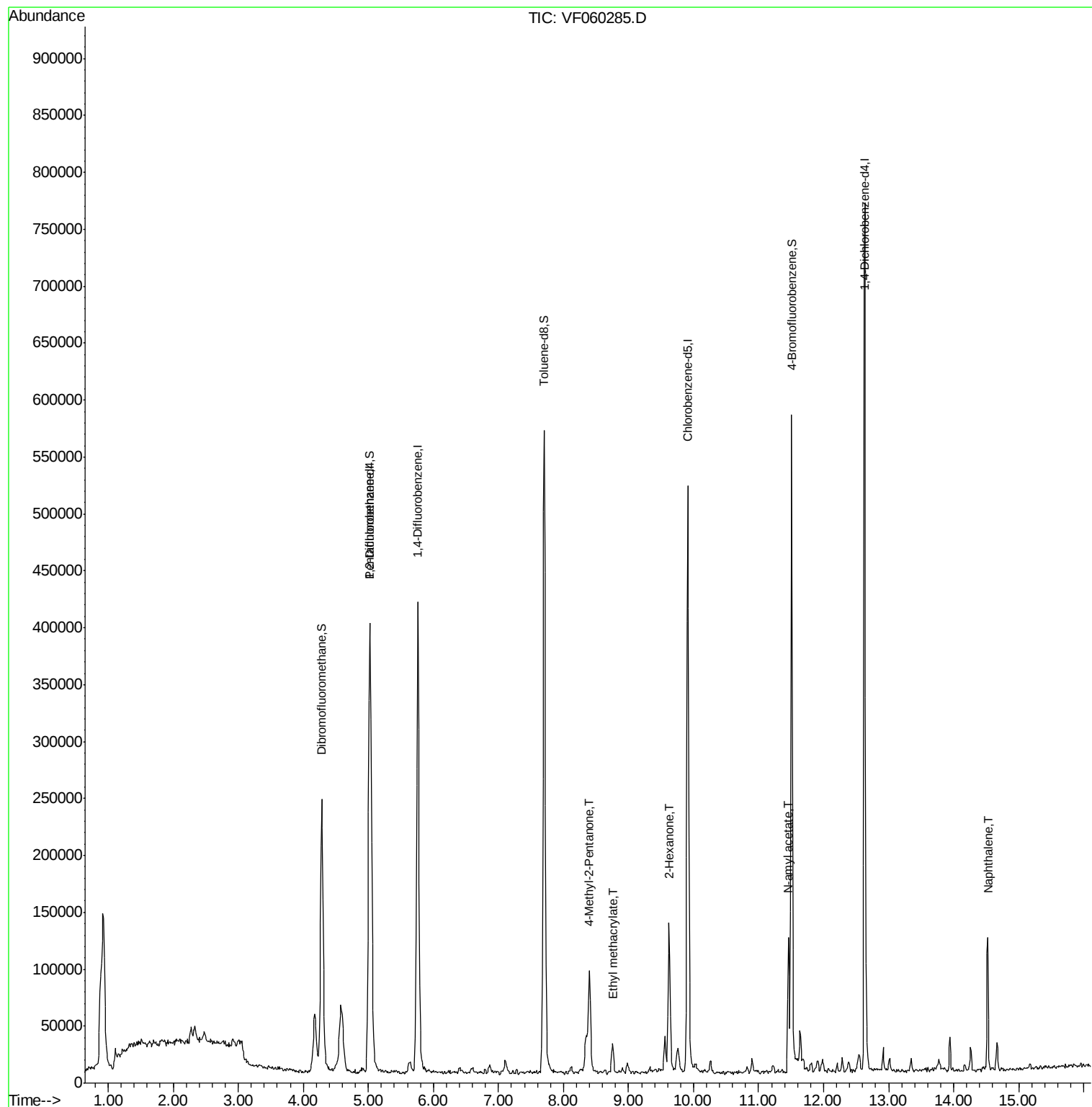
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 4-Methyl-2-Pentanone	8.40	43	89565	46.58	ug/l	95
56) Ethyl methacrylate	8.75	69	20553	7.98	ug/l #	88
59) 2-Hexanone	9.63	43	116543	85.13	ug/l	94
74) N-amyl acetate	11.46	43	71483	18.71	ug/l	97
95) Naphthalene	14.52	128	84432	9.63	ug/l	98

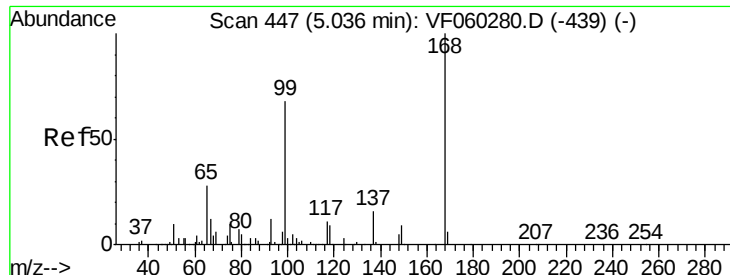
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF060285.D

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Instrument :

MSVOA_F

ClientSampleId :

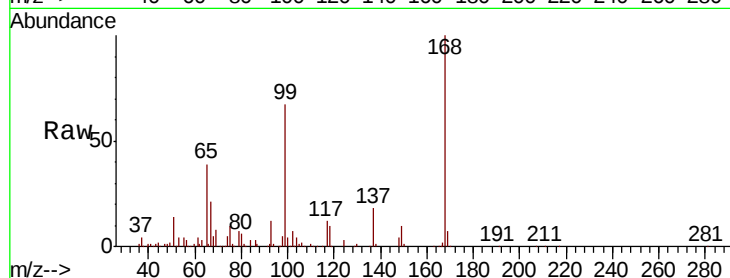
VF0919SBL01

Tot Ion:168 Resp: 273762

Ion Ratio Lower Upper

168 100

99 67.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

60000

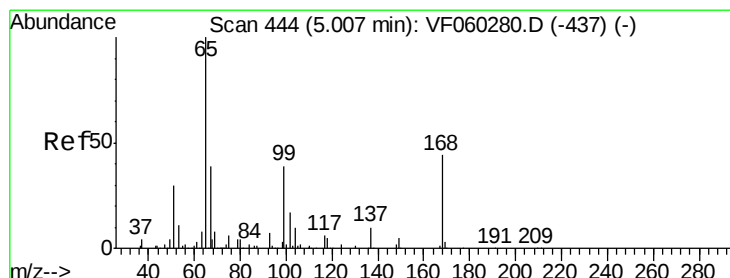
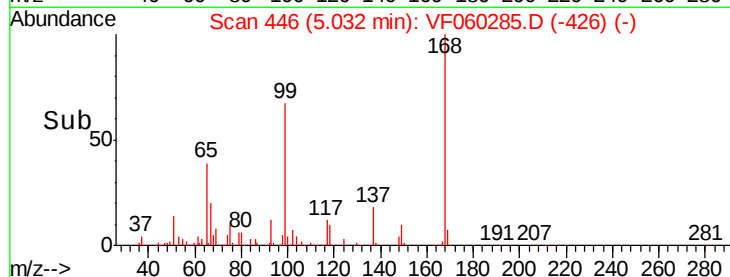
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 49.74 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF060285.D

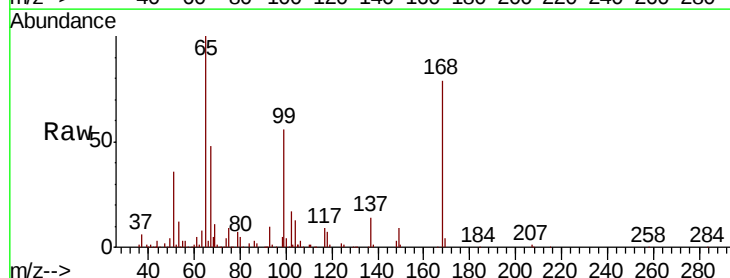
Acq: 19 Sep 2018 17:40

Tgt Ion: 65 Resp: 183374

Ion Ratio Lower Upper

65 100

67 47.8 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

60000

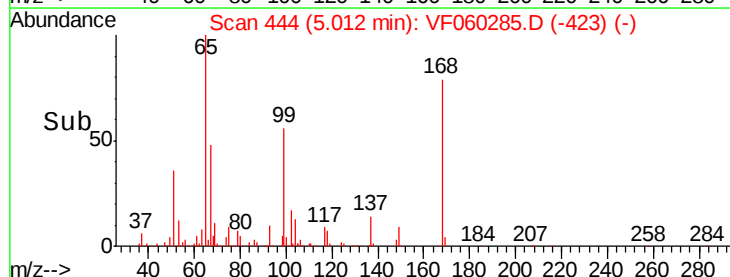
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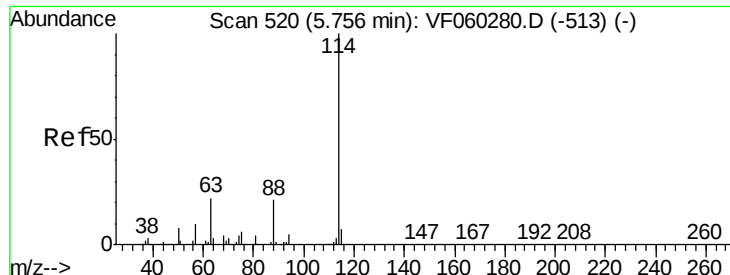
20000

0

Time-->

4.90 5.00 5.10 5.20

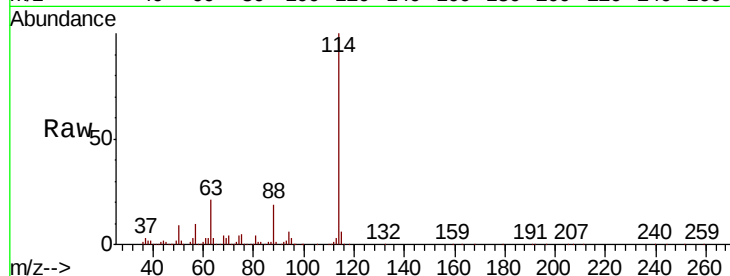




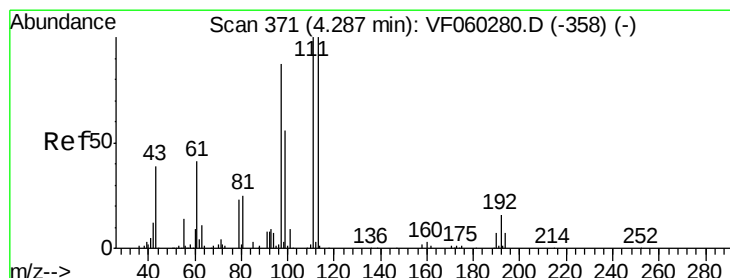
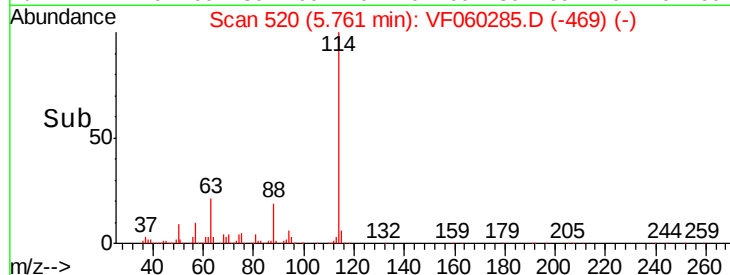
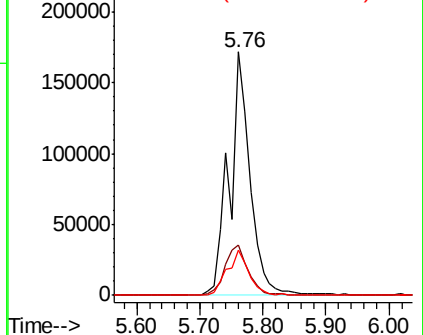
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBL01

Tot Ion:114 Resp: 392620
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.8
 88 18.6 0.0 41.2

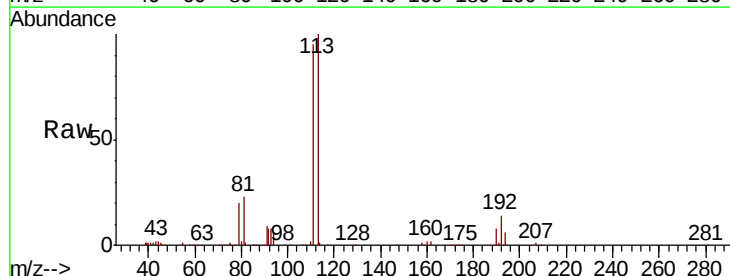


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

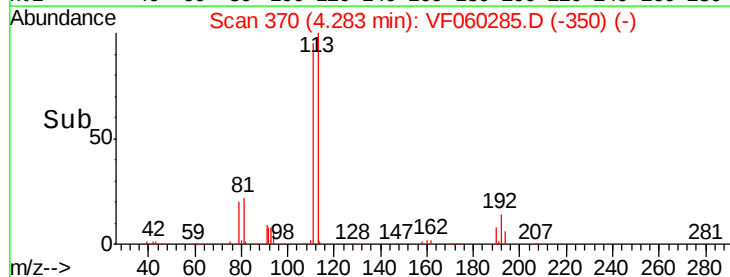
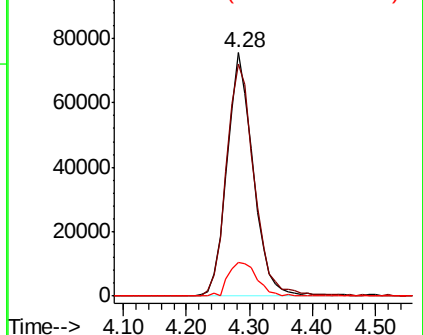


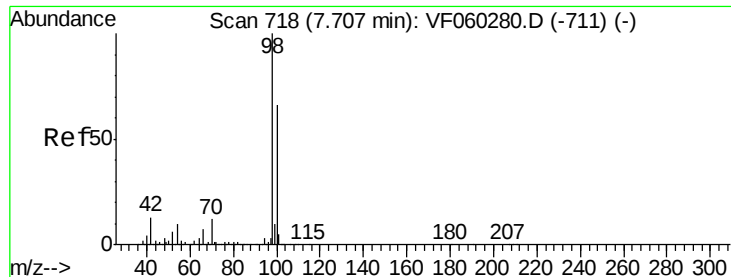
#35
 Dibromofluoromethane
 Concen: 61.94 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion:113 Resp: 216780
 Ion Ratio Lower Upper
 113 100
 111 95.3 79.6 119.4
 192 13.8 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 53.23 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

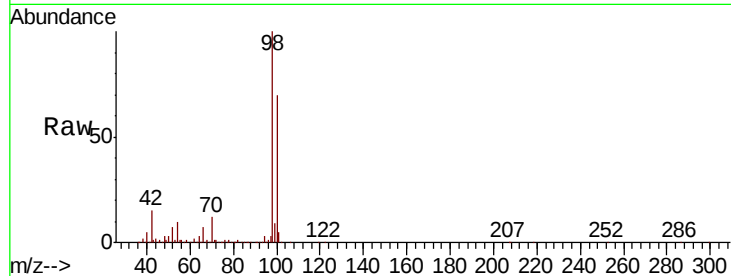
VF0919SBL01

Tot Ion: 98 Resp: 485194

Ion Ratio Lower Upper

98 100

100 70.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.70

200000

150000

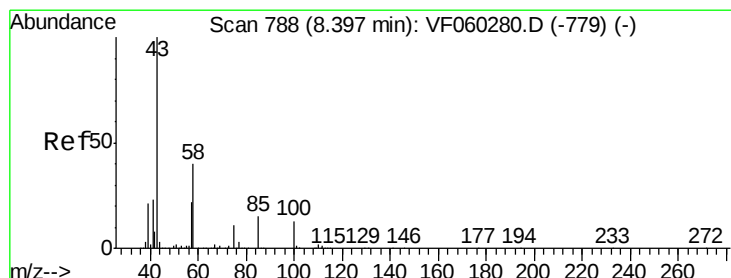
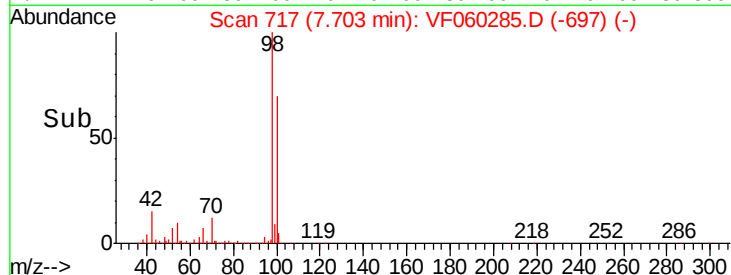
100000

50000

0

7.60 7.70 7.80 7.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 46.58 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060285.D

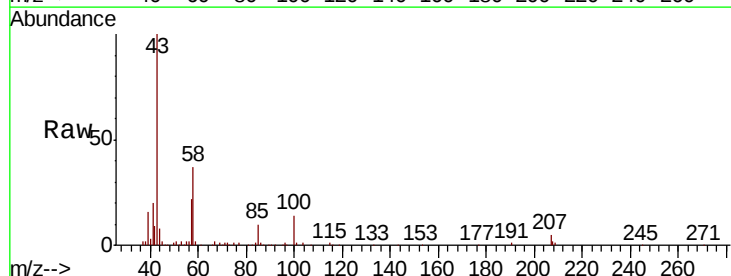
Acq: 19 Sep 2018 17:40

Tgt Ion: 43 Resp: 89565

Ion Ratio Lower Upper

43 100

58 36.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

40000

30000

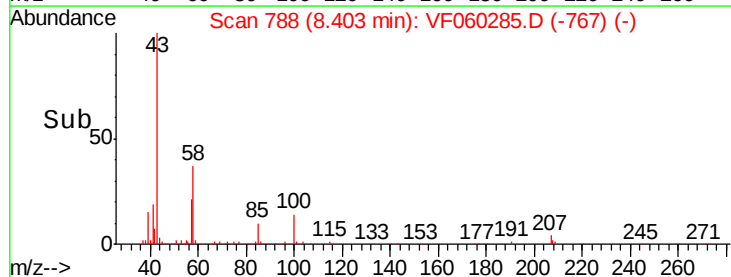
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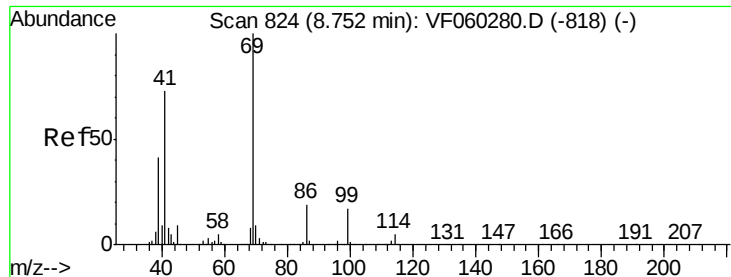
10000

0

8.30 8.40 8.50 8.60

Time-->





#56

Ethyl methacrylate

Concen: 7.98 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBL01

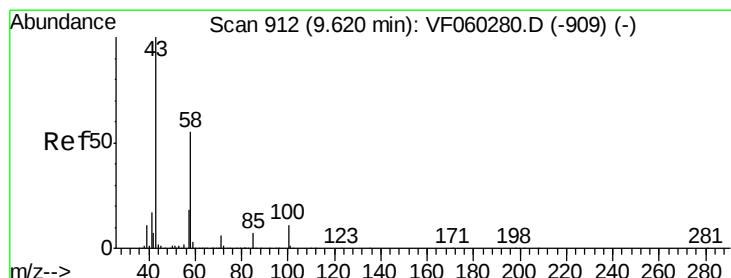
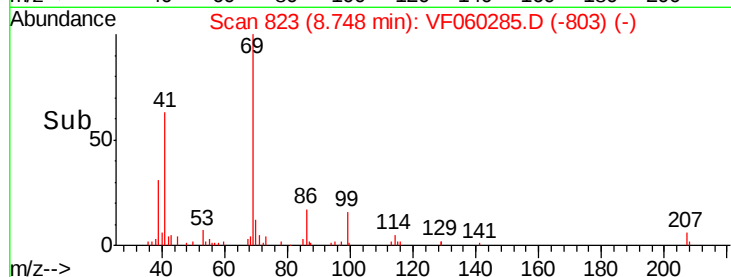
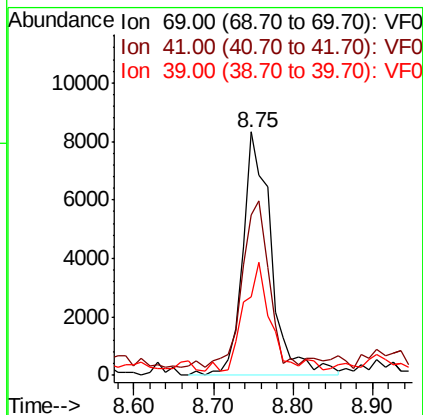
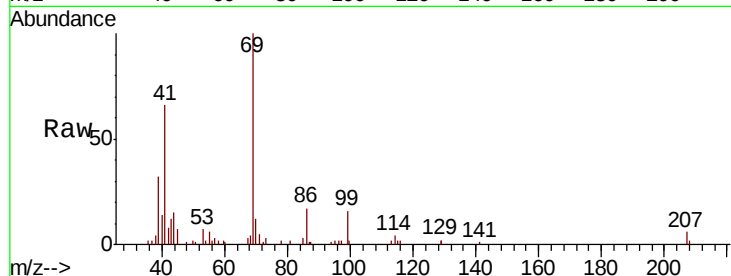
Tot Ion: 69 Resp: 20553

Ion Ratio Lower Upper

69 100

41 65.7 59.4 89.2

39 32.2 33.5 50.3#



#59

2-Hexanone

Concen: 85.13 ug/l

RT: 9.63 min Scan# 912

Delta R.T. 0.01 min

Lab File: VF060285.D

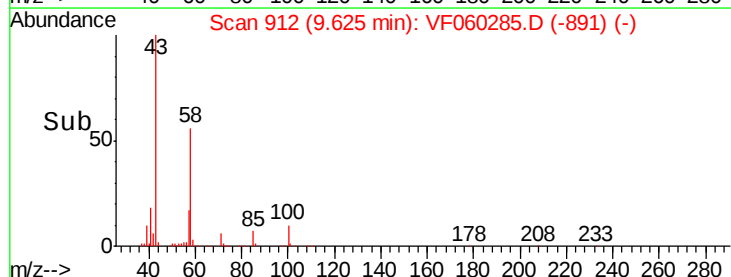
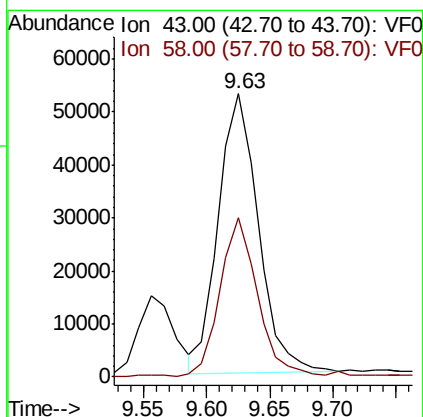
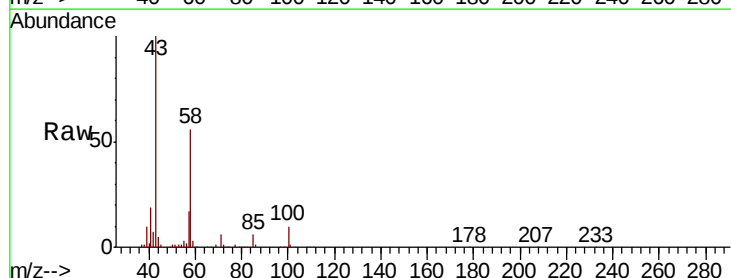
Acq: 19 Sep 2018 17:40

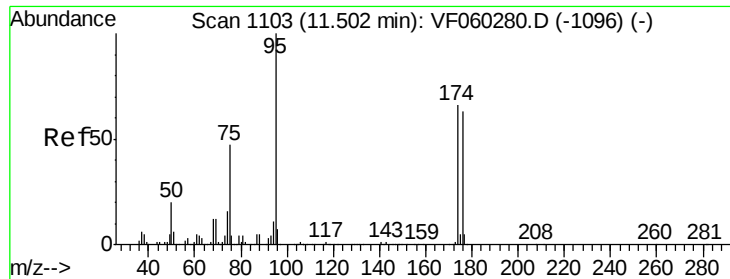
Tgt Ion: 43 Resp: 116543

Ion Ratio Lower Upper

43 100

58 56.2 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 53.75 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBL01

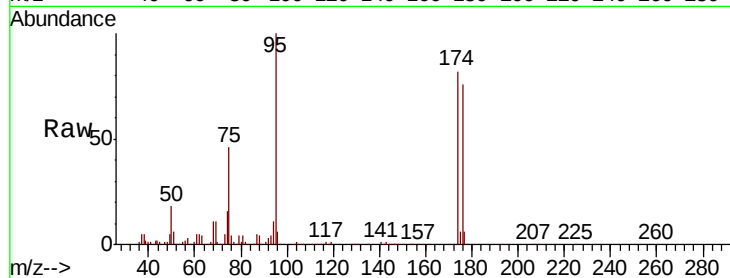
Tot Ion: 95 Resp: 211756

Ion Ratio Lower Upper

95 100

174 81.7 0.0 131.2

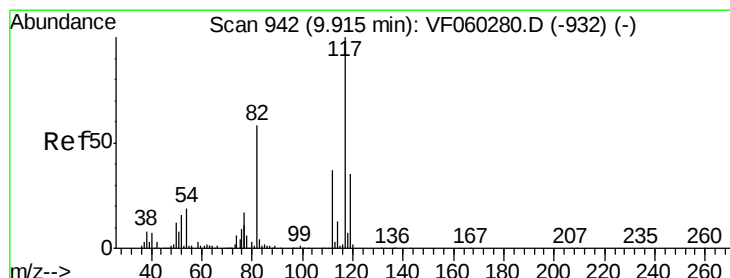
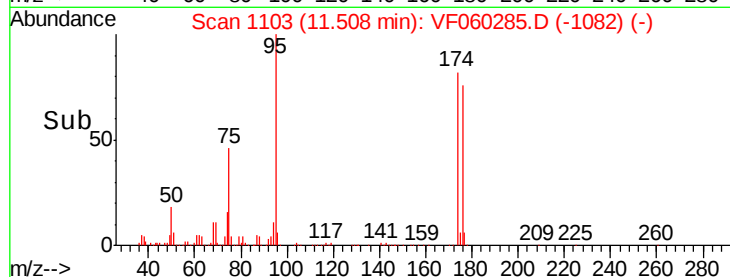
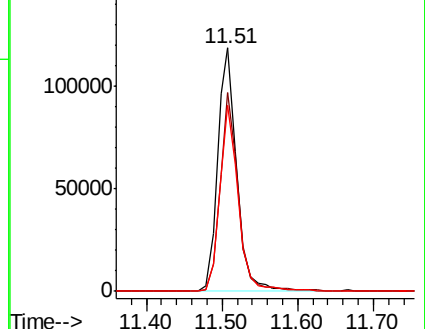
176 76.2 0.0 126.6



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: 50.00 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

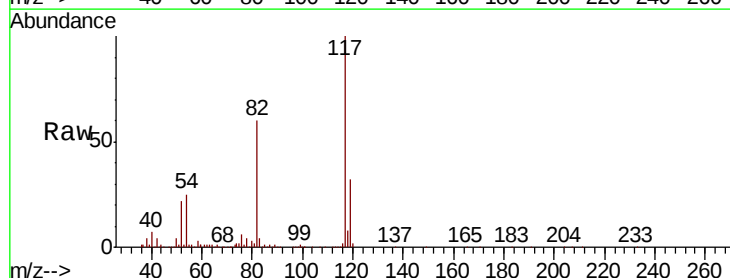
Tgt Ion: 117 Resp: 362512

Ion Ratio Lower Upper

117 100

82 59.5 46.2 69.2

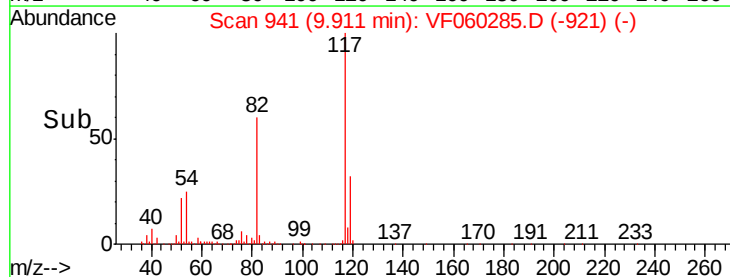
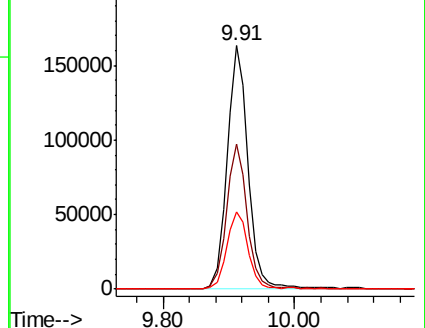
119 31.5 27.8 41.6

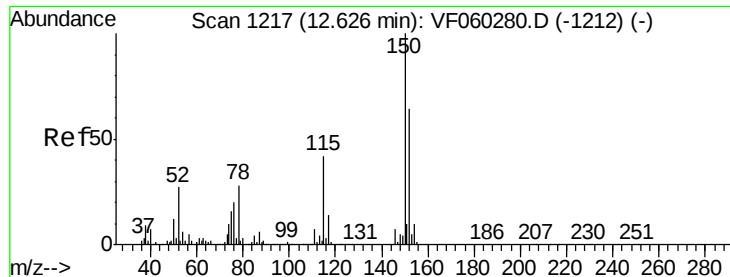


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

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ClientSampleId :

VF0919SBL01

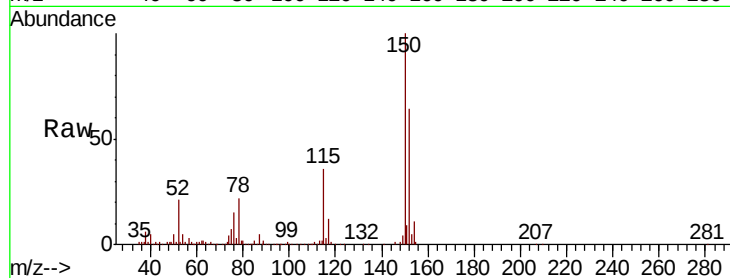
Tot Ion:152 Resp: 199553

Ion Ratio Lower Upper

152 100

115 57.2 32.6 97.8

150 157.0 0.0 314.2

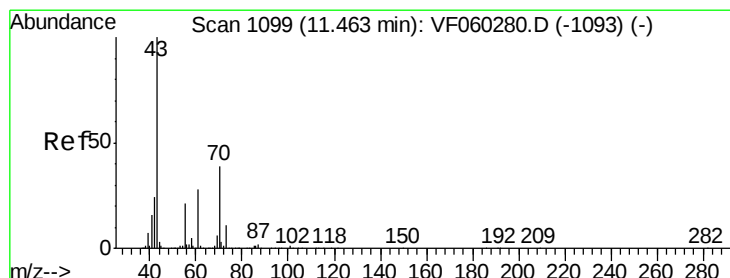
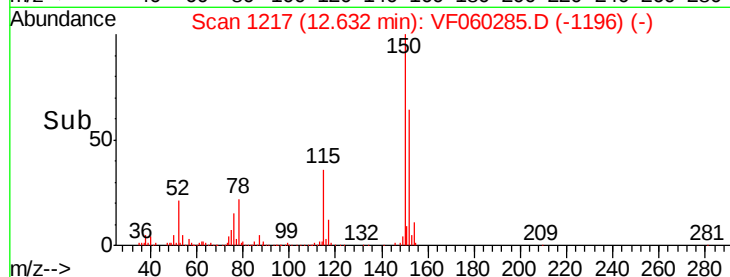
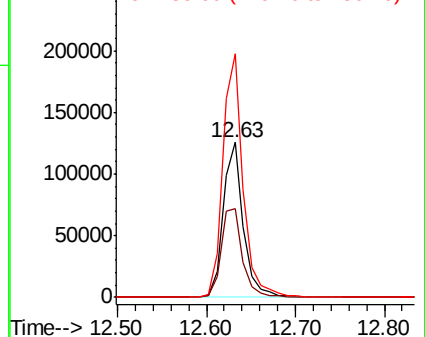


Abundance

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



#74

N-amil acetate

Concen: 18.71 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Tgt Ion: 43 Resp: 71483

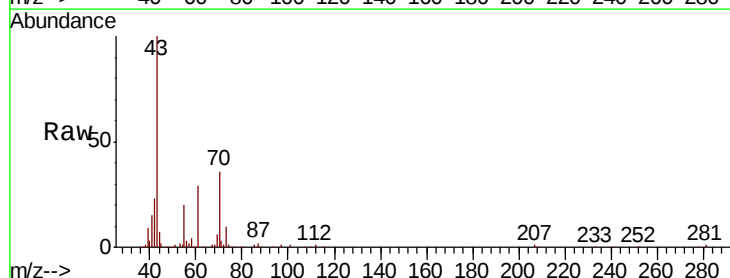
Ion Ratio Lower Upper

43 100

70 36.0 31.4 47.2

55 20.4 16.8 25.2

61 29.0 22.6 34.0



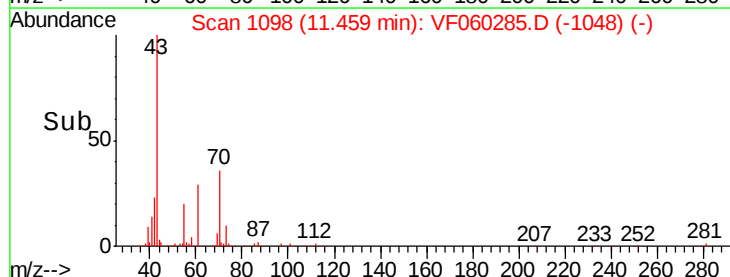
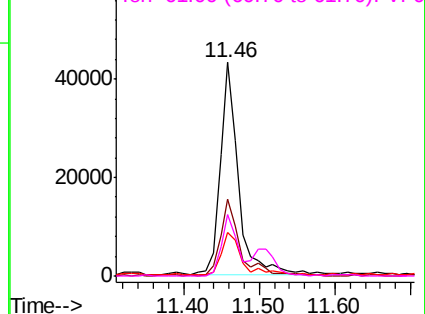
Abundance

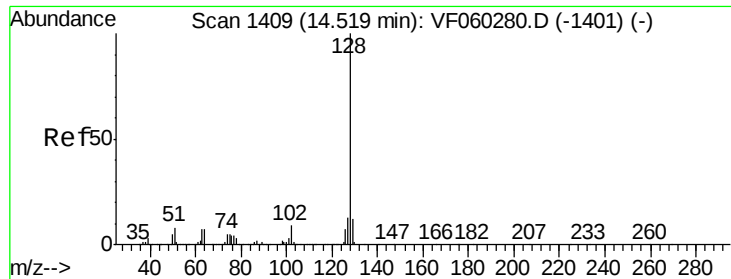
Ion 43.00 (42.70 to 43.70): VF0

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





#95

Naphthalene

Concen: 9.63 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060285.D

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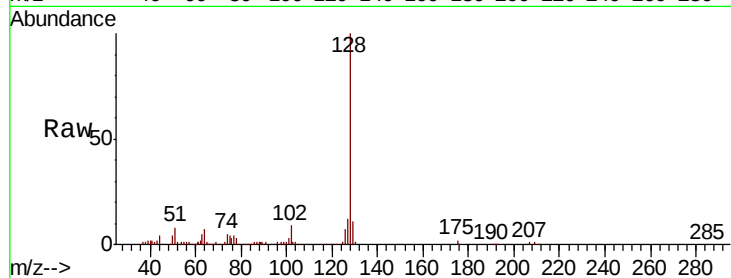
Tot Ion:128 Resp: 84432

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 11.0 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

