

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060336.D
 Acq On : 25 Sep 2018 20:31
 Operator : VA/AP
 Sample : J4779-09
 Misc : 7.06/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

Quant Time: Sep 26 11:57:04 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	238537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	414458	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	257169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	111052	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	227430	70.81	ug/l	0.00
Spiked Amount			Recovery	=	141.62%	
35) Dibromofluoromethane	4.28	113	211770	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	
50) Toluene-d8	7.70	98	354325	36.83	ug/l	0.00
Spiked Amount			Recovery	=	73.66%	
62) 4-Bromofluorobenzene	11.50	95	187628	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

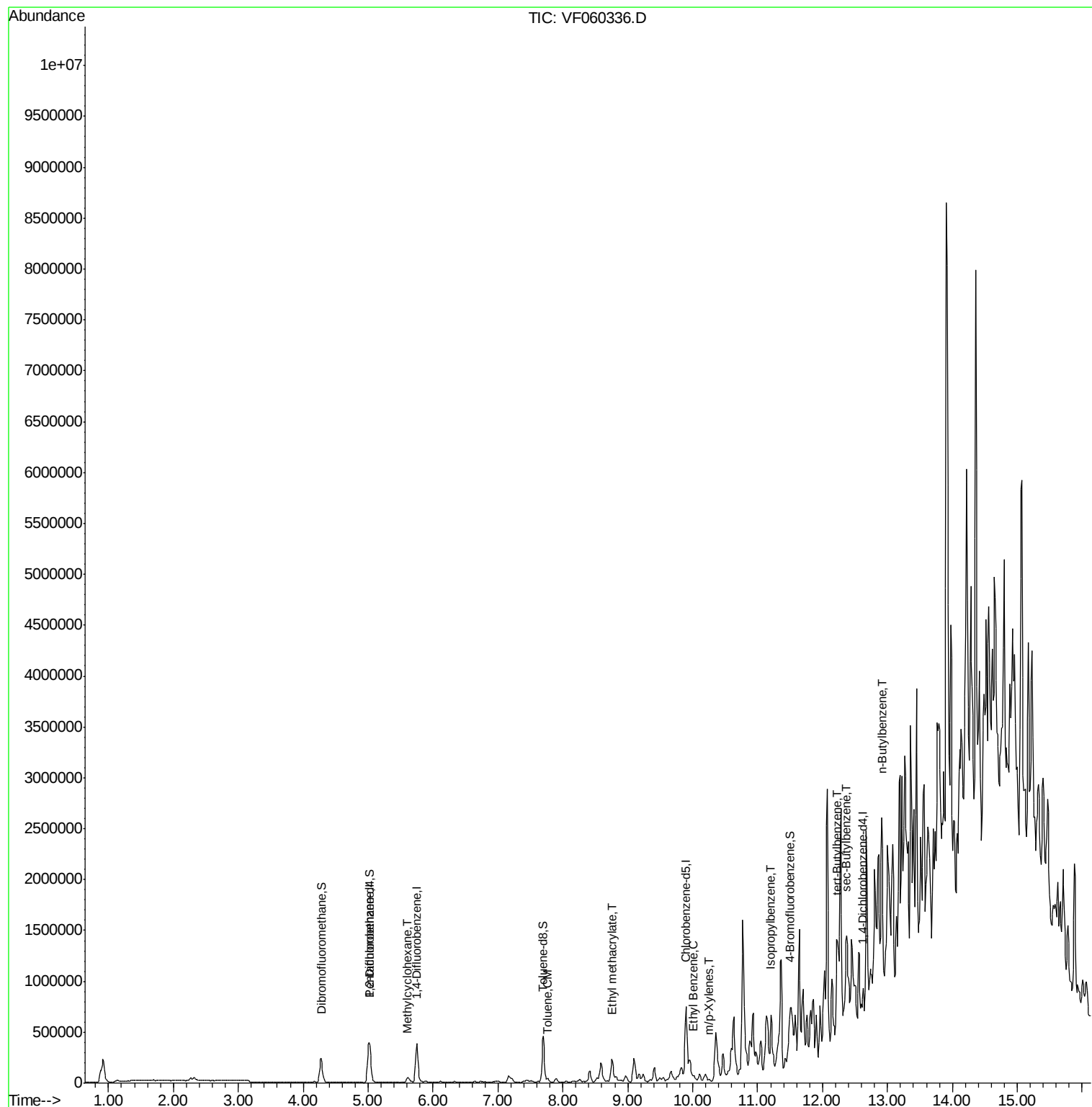
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	5.61	83	29417	5.250	ug/l	91
52) Toluene	7.77	92	9823	1.325	ug/l	82
56) Ethyl methacrylate	8.75	69	123536	45.445	ug/l #	84
67) Ethyl Benzene	10.02	91	10836	1.005	ug/l #	85
68) m/p-Xylenes	10.25	106	5805	1.559	ug/l	93
73) Isopropylbenzene	11.22	105	51848	5.201	ug/l	92
83) tert-Butylbenzene	12.21	119	25083	3.083	ug/l	73
85) sec-Butylbenzene	12.38	105	442318	46.032	ug/l	90
89) n-Butylbenzene	12.91	91	230145	23.857	ug/l	90

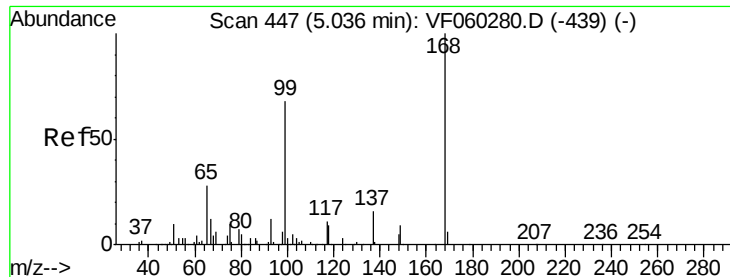
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

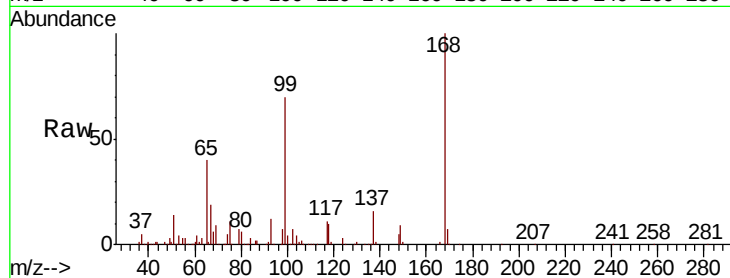
SU-3A-092418

Tot Ion:168 Resp: 238537

Ion Ratio Lower Upper

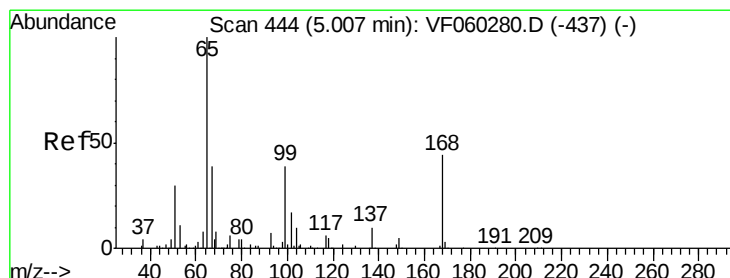
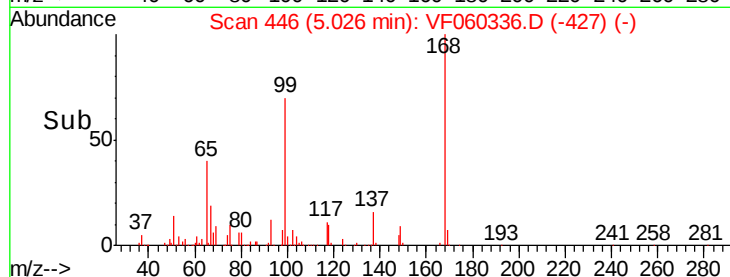
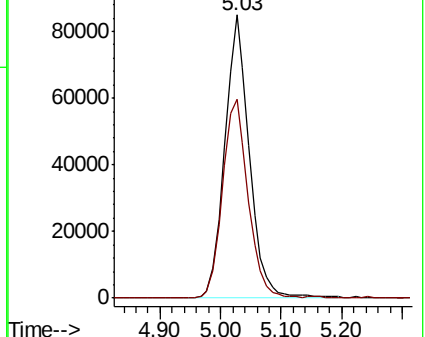
168 100

99 70.3 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 70.807 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060336.D

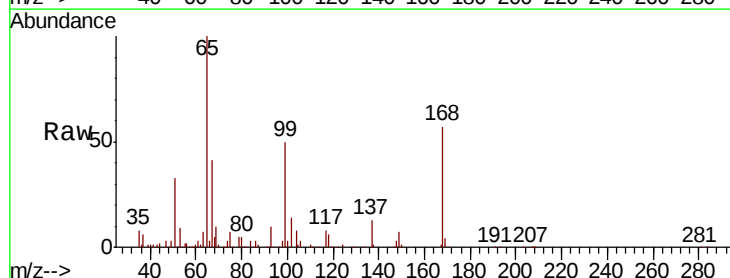
Acq: 25 Sep 2018 20:31

Tgt Ion: 65 Resp: 227430

Ion Ratio Lower Upper

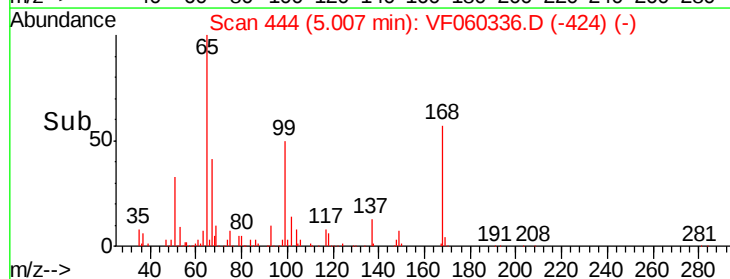
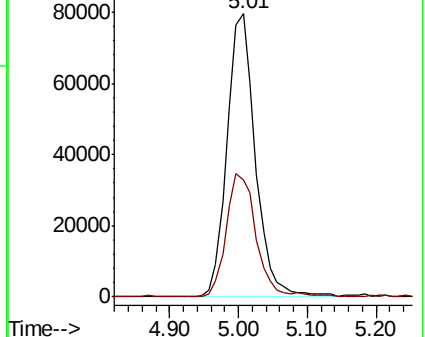
65 100

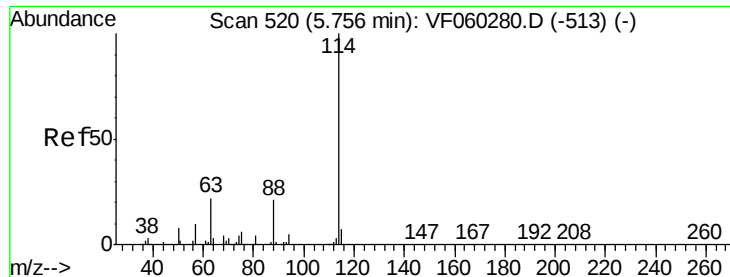
67 41.3 0.0 94.4



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: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

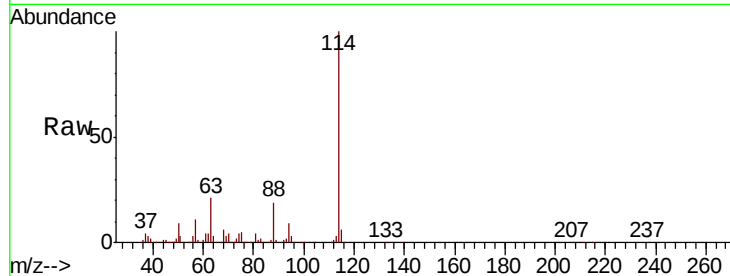
Tot Ion:114 Resp: 414458

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

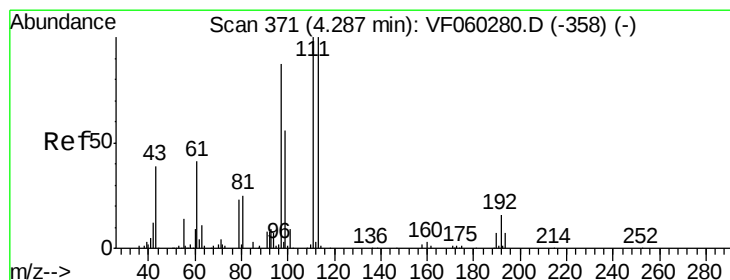
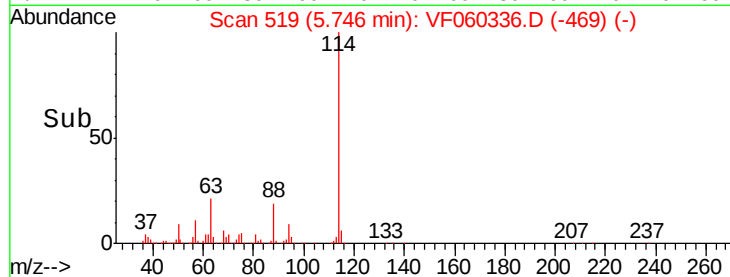
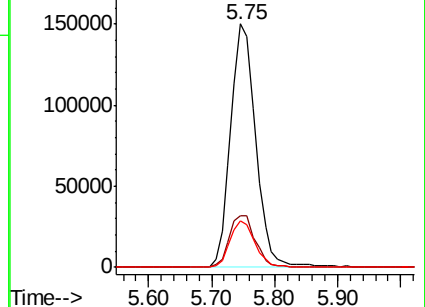
88 19.3 0.0 41.2



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



#35

Dibromofluoromethane

Concen: 57.319 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

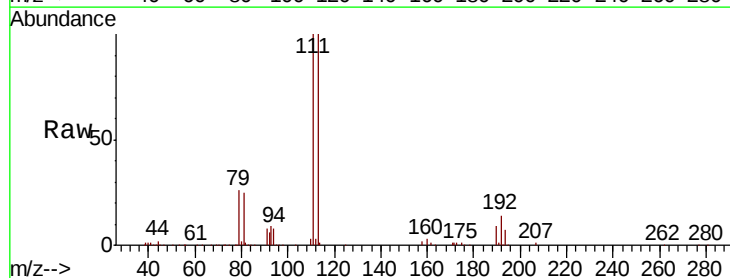
Tgt Ion:113 Resp: 211770

Ion Ratio Lower Upper

113 100

111 99.9 79.6 119.4

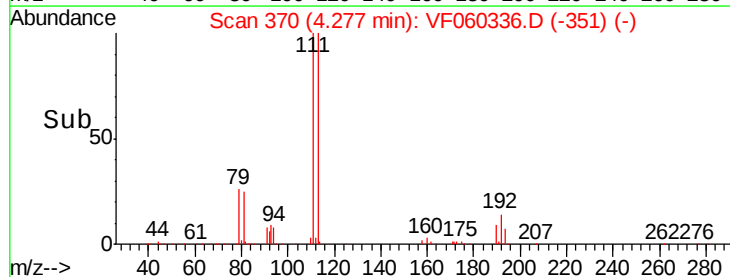
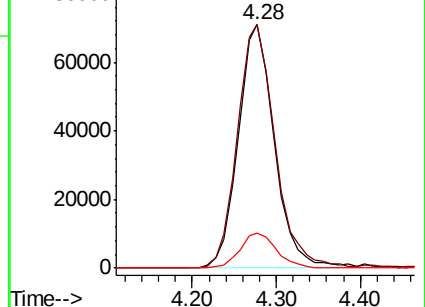
192 14.6 13.0 19.6

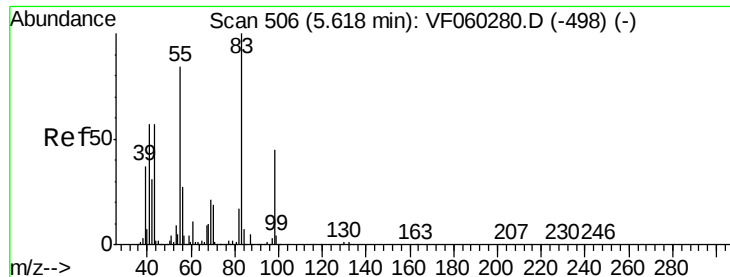


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

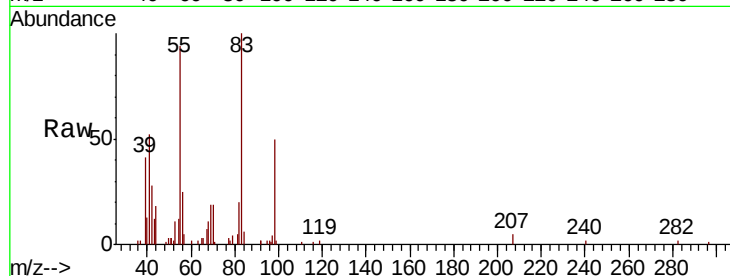




#39
Methvlcvclohexane
Concen: 5.250 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
SU-3A-092418

Tot Ion	83	Resp	29417
Ion Ratio	Lower	Upper	
83	100		
55	93.7	67.3	100.9
98	49.6	36.1	54.1

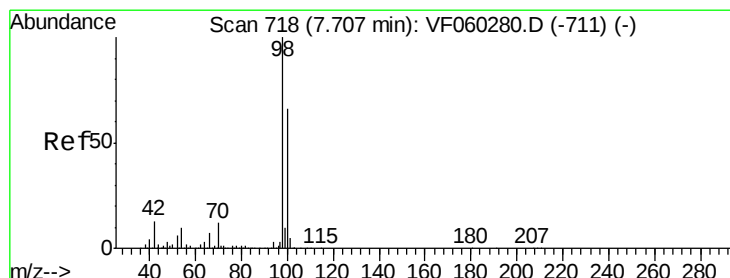
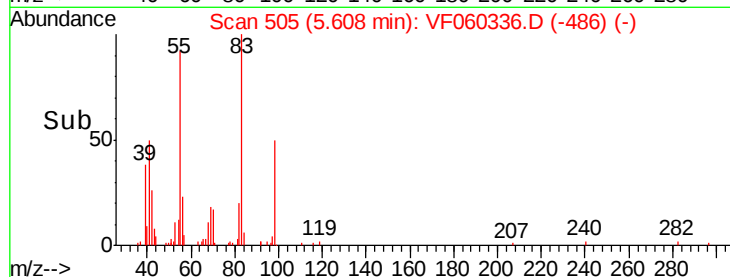
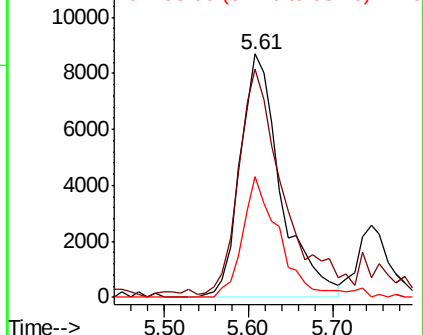


Abundance

Ion 83.00 (82.70 to 83.70): VF0

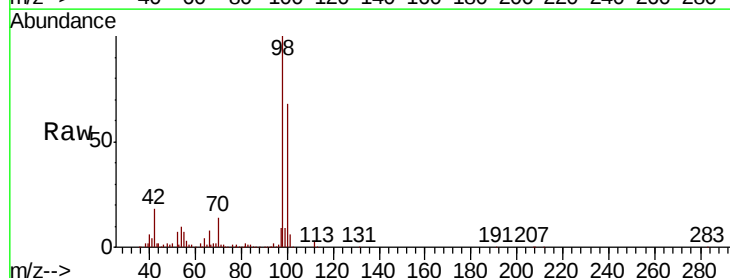
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#50
Toluene-d8
Concen: 36.826 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

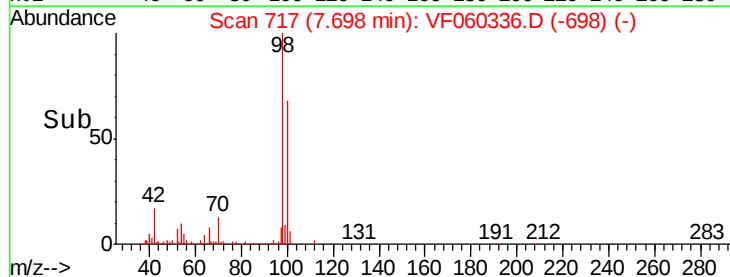
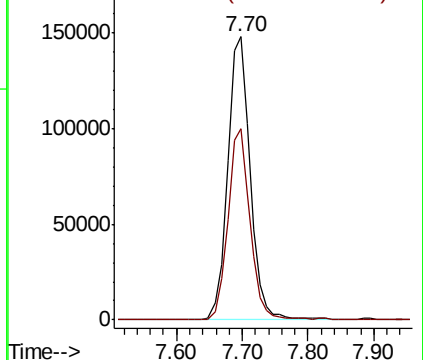
Tgt Ion	98	Resp	354325
Ion Ratio	Lower	Upper	
98	100		
100	67.8	53.0	79.6

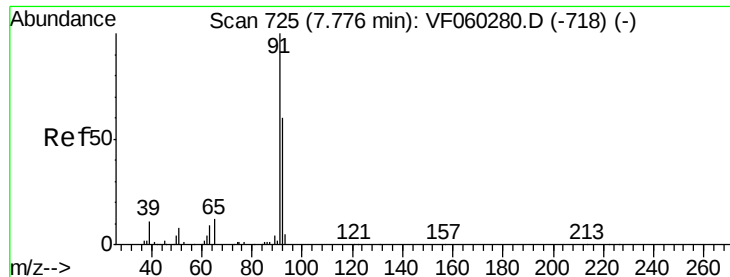


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.325 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

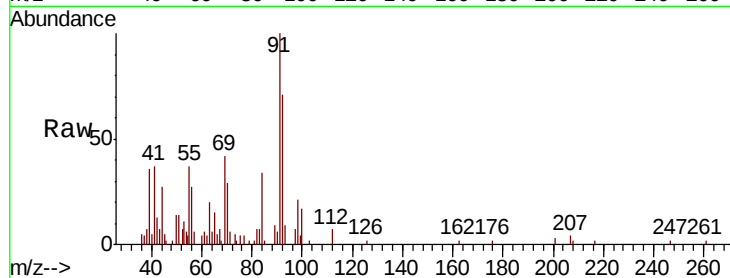
SU-3A-092418

Tot Ion: 92 Resp: 9823

Ion Ratio Lower Upper

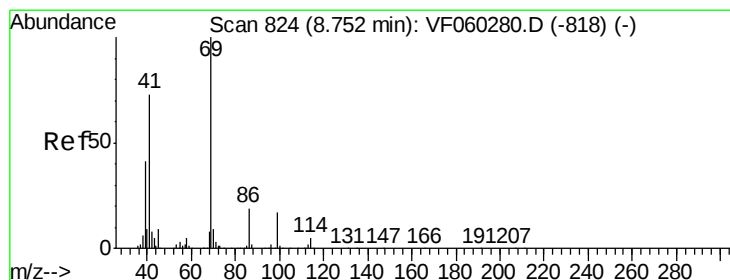
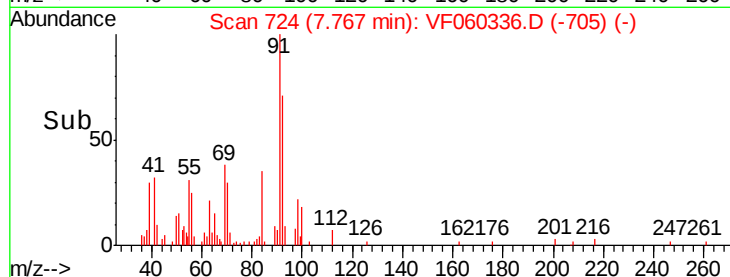
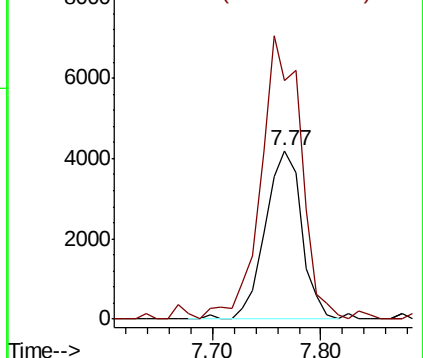
92 100

91 141.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#56

Ethyl methacrylate

Concen: 45.445 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

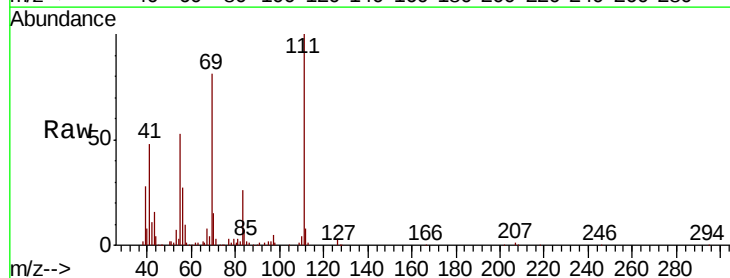
Tgt Ion: 69 Resp: 123536

Ion Ratio Lower Upper

69 100

41 59.3 59.4 89.2#

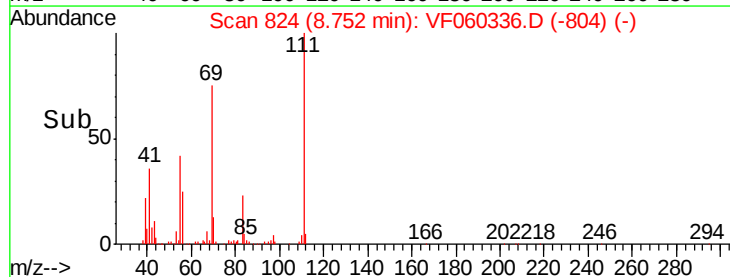
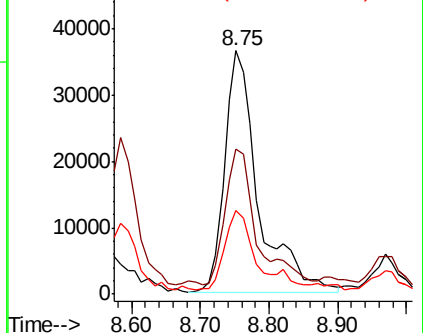
39 34.2 33.5 50.3

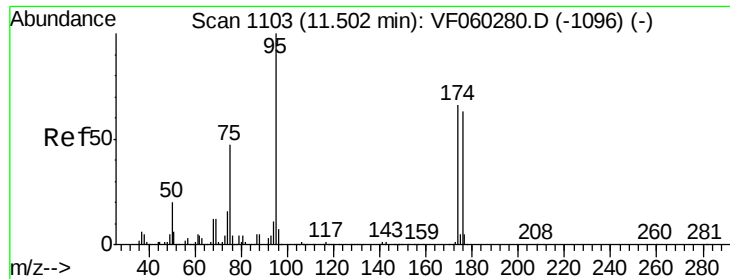


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#62

4-Bromofluorobenzene

Concen: 45.113 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

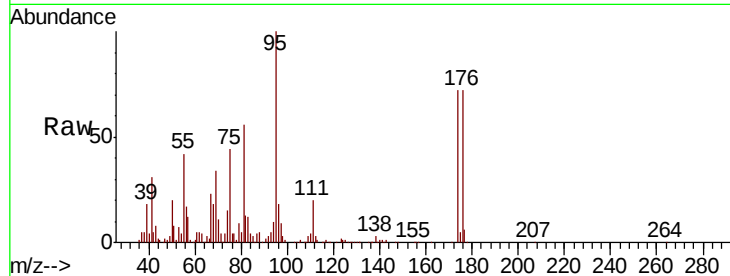
Tot Ion: 95 Resp: 187628

Ion Ratio Lower Upper

95 100

174 72.1 0.0 131.2

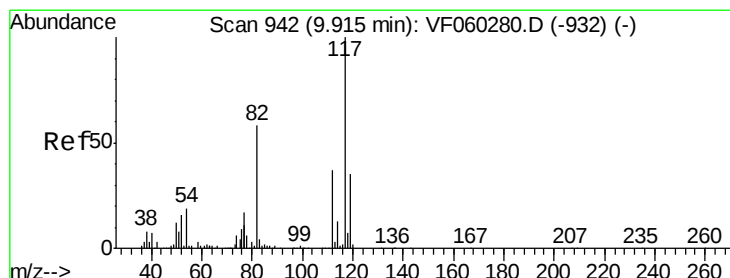
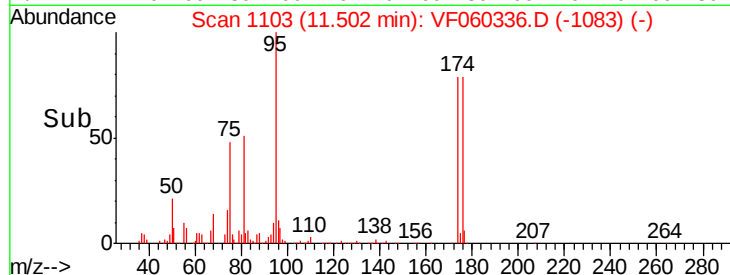
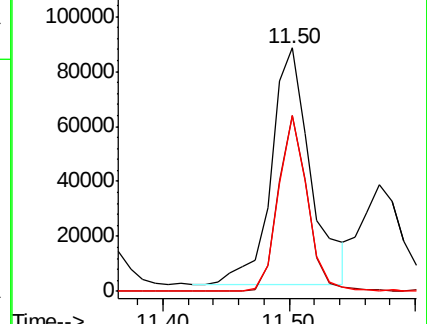
176 72.4 0.0 126.6



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: VF060336.D

Acq: 25 Sep 2018 20:31

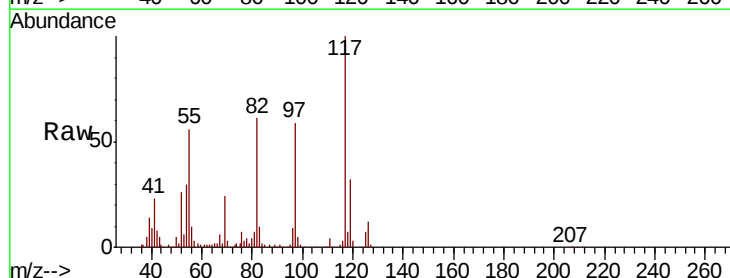
Tgt Ion: 117 Resp: 257169

Ion Ratio Lower Upper

117 100

82 60.6 46.2 69.2

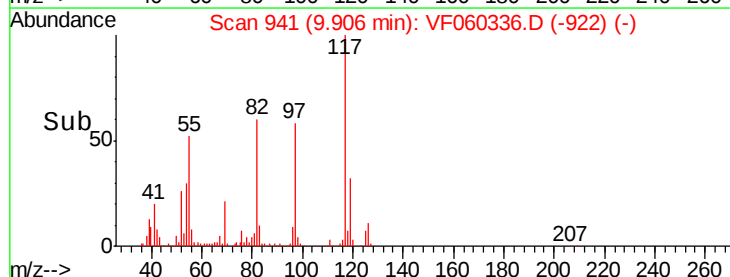
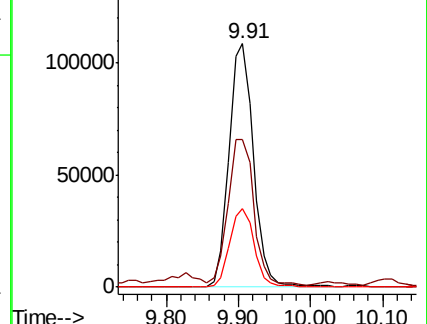
119 32.3 27.8 41.6

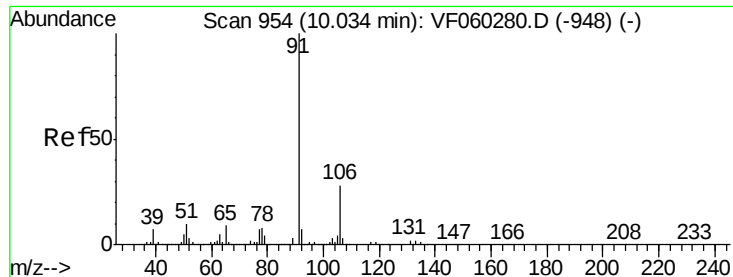


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

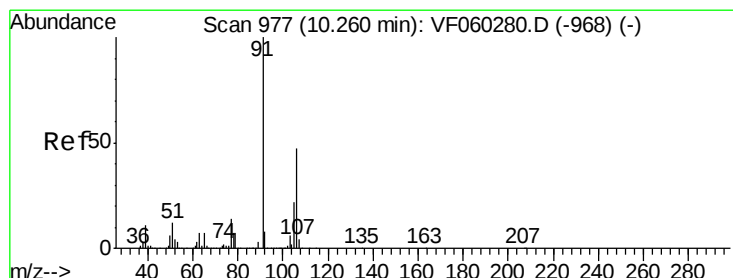
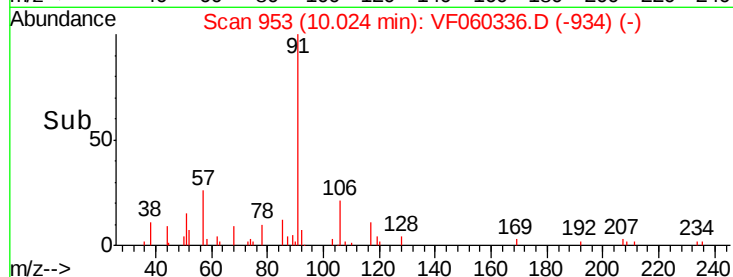
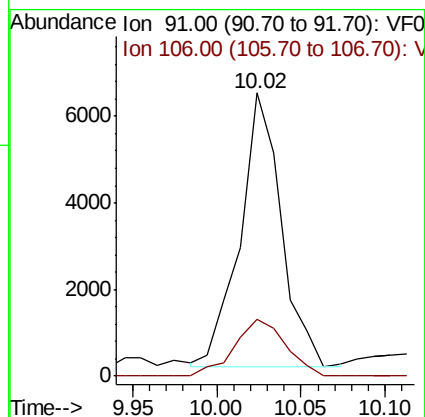
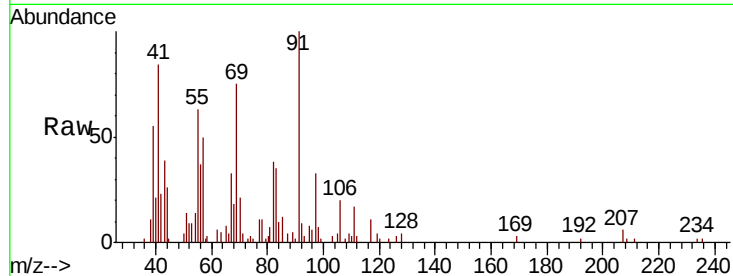




#67
Ethyl Benzene
Concen: 1.005 ug/l
RT: 10.02 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

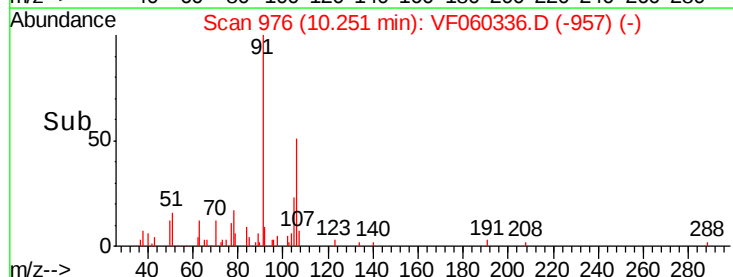
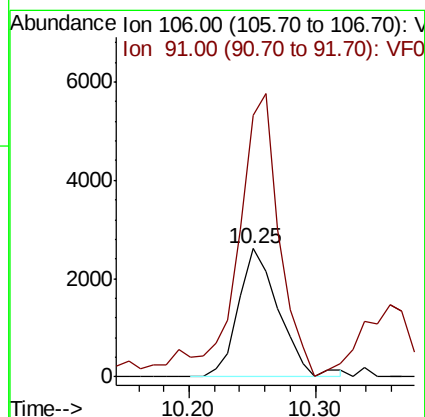
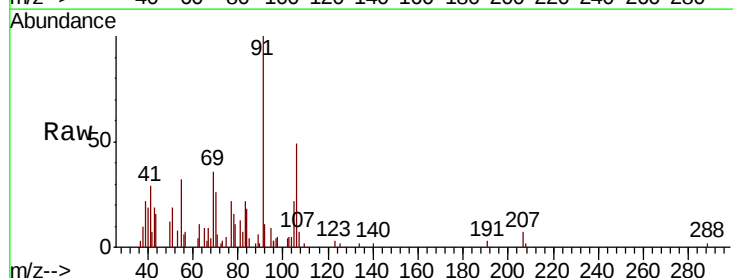
Instrument :
MSVOA_F
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SU-3A-092418

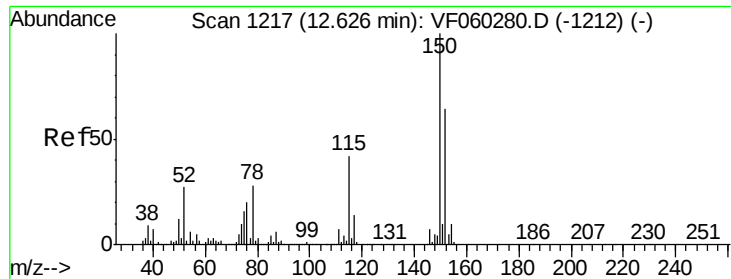
Tot Ion: 91 Resp: 10836
Ion Ratio Lower Upper
91 100
106 20.2 22.7 34.1#



#68
m/p-Xylenes
Concen: 1.559 ug/l
RT: 10.25 min Scan# 976
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion: 106 Resp: 5805
Ion Ratio Lower Upper
106 100
91 203.6 172.3 258.5



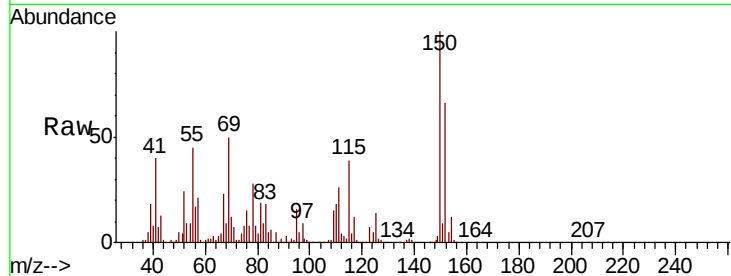


#72

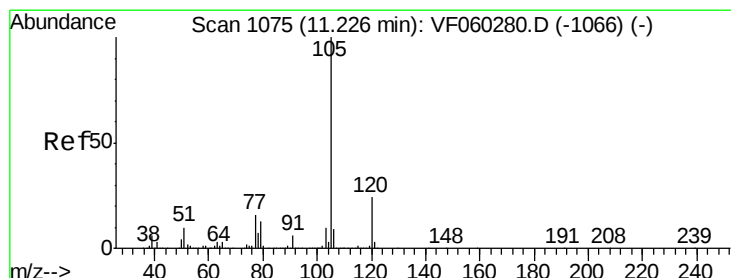
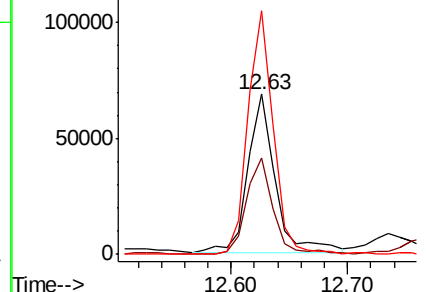
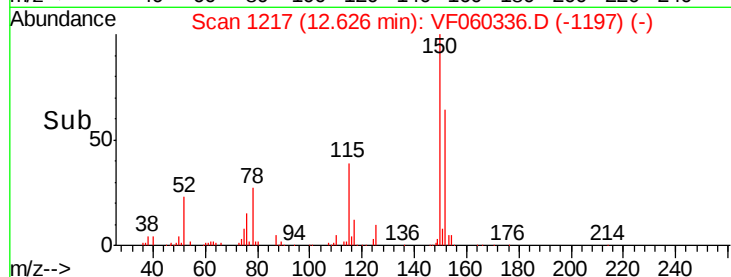
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
SU-3A-092418

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	32.6	97.8
150	152.3	0.0	314.2



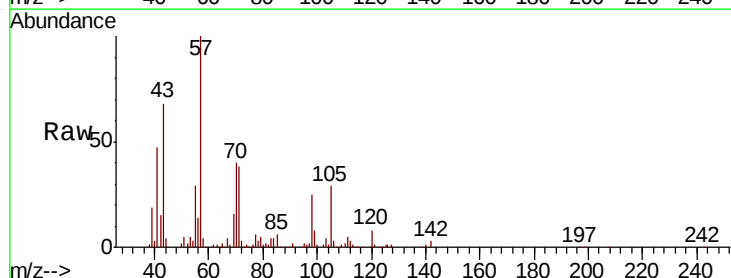
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



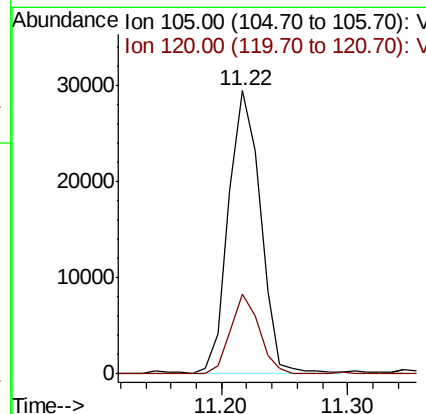
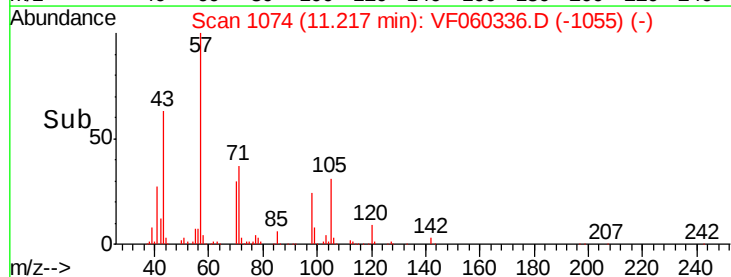
#73

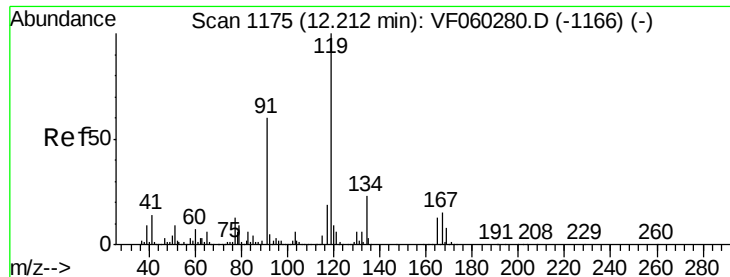
Isopropylbenzene
Concen: 5.201 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	12.2	36.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 3.083 ug/l

RT: 12.21 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

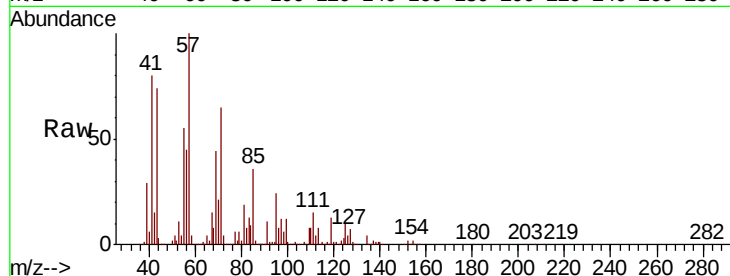
Tot Ion:119 Resp: 25083

Ion Ratio Lower Upper

119 100

91 85.7 30.3 91.0

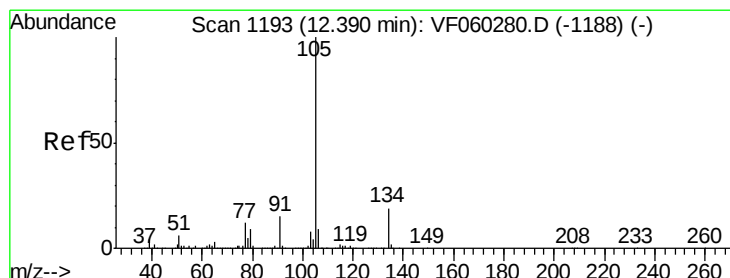
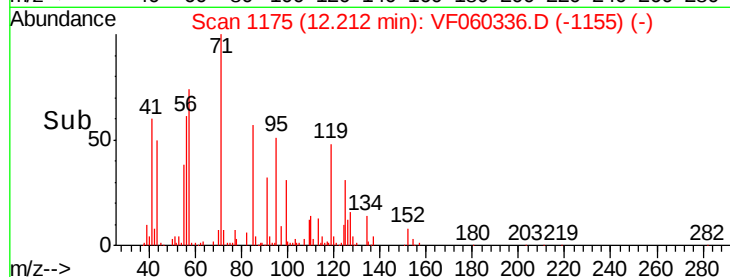
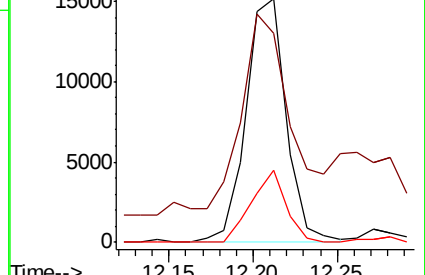
134 29.4 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 46.032 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060336.D

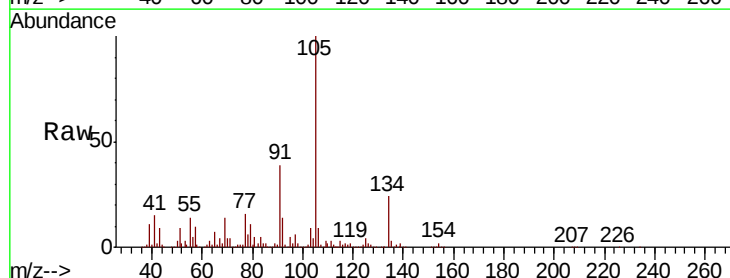
Acq: 25 Sep 2018 20:31

Tgt Ion:105 Resp: 442318

Ion Ratio Lower Upper

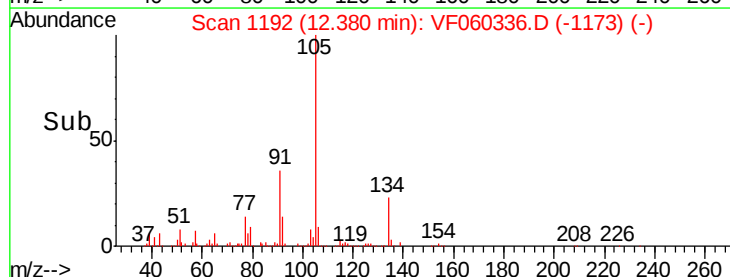
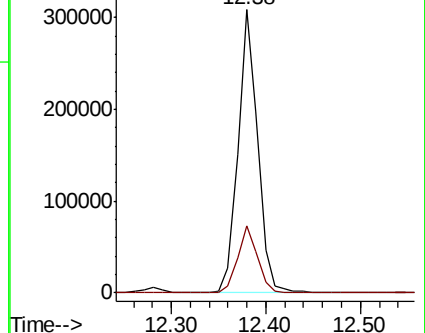
105 100

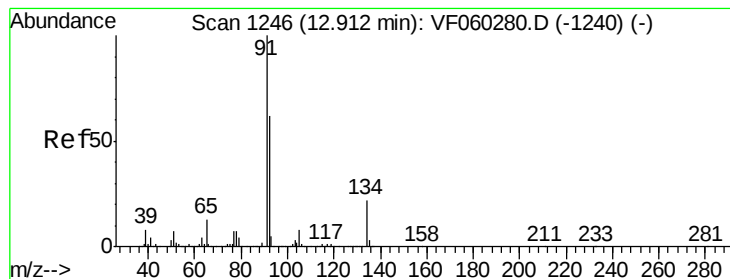
134 23.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 23.857 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

Tot Ion: 91 Resp: 230145

Ion Ratio Lower Upper

91 100

92 52.8 31.1 93.5

134 23.6 11.0 33.0

