

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062840.D
 Acq On : 4 Jun 2019 15:52
 Operator : FY/SY
 Sample : K3171-02
 Misc : 4.02g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-03-008-A

Quant Time: Jun 05 05:55:39 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

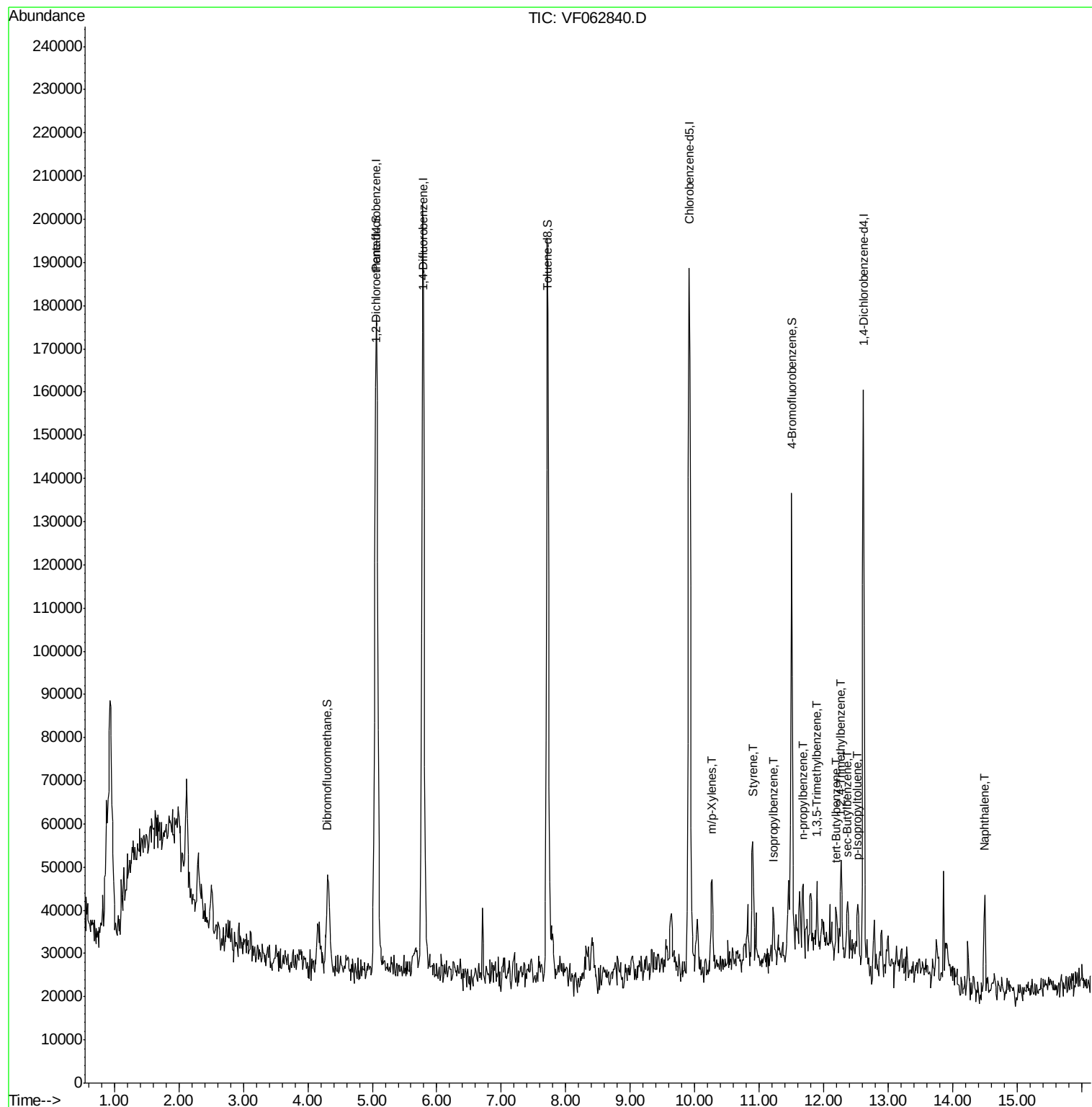
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	160918	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	229513	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	131951	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	32924	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	24951	22.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	44.84%	
35) Dibromofluoromethane	4.31	113	21135	12.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	24.38%	
50) Toluene-d8	7.71	98	155632	35.49	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	70.98%	
62) 4-Bromofluorobenzene	11.50	95	39336	24.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	49.86%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	10.27	106	8710	5.205	ug/l	95
70) Styrene	10.89	104	16661	6.672	ug/l #	85
73) Isopropylbenzene	11.22	105	7192	3.131	ug/l	91
78) n-propylbenzene	11.68	91	12284	4.429	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	6743	3.589	ug/l	80
83) tert-Butylbenzene	12.20	119	4016	2.157	ug/l #	46
84) 1,2,4-Trimethylbenzene	12.27	105	9934	5.577	ug/l	73
85) sec-Butylbenzene	12.38	105	7959	3.245	ug/l	95
86) p-Isopropyltoluene	12.52	119	7013	3.435	ug/l	88
95) Naphthalene	14.50	128	14294	14.202	ug/l #	92

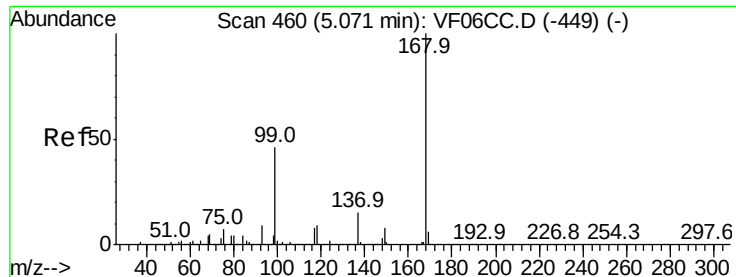
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

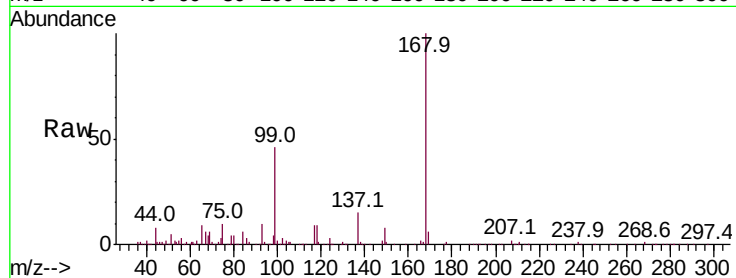
FK-SF-03-008-A

Tot Ion:168 Resp: 160918

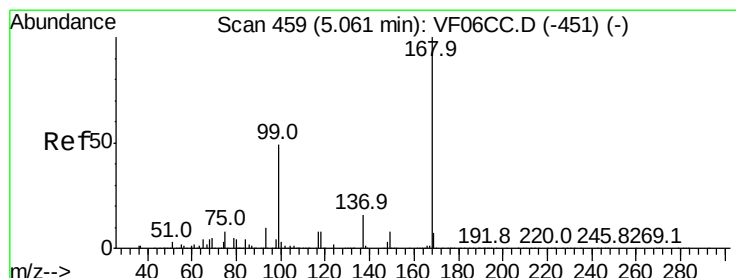
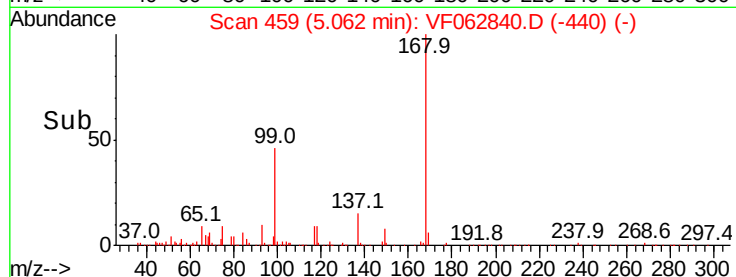
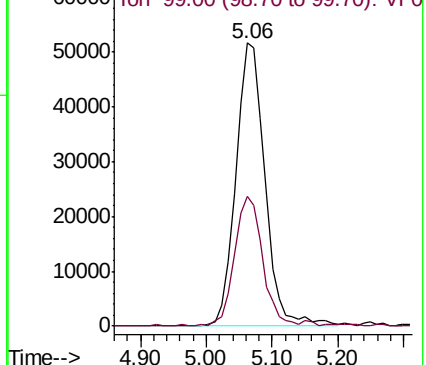
Ion Ratio Lower Upper

168 100

99 45.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 22.423 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062840.D

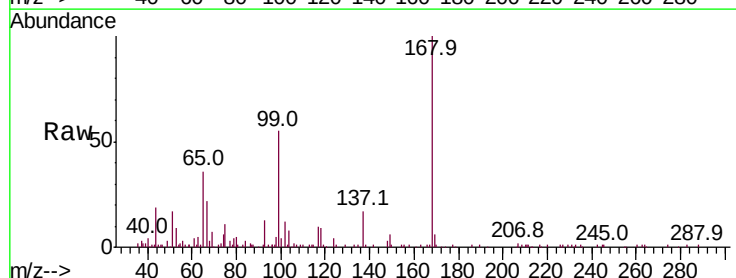
Acq: 4 Jun 2019 15:52

Tgt Ion: 65 Resp: 24951

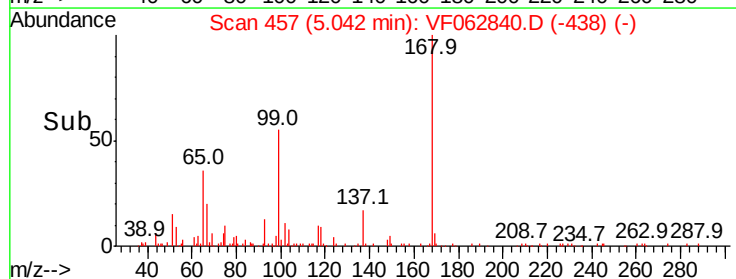
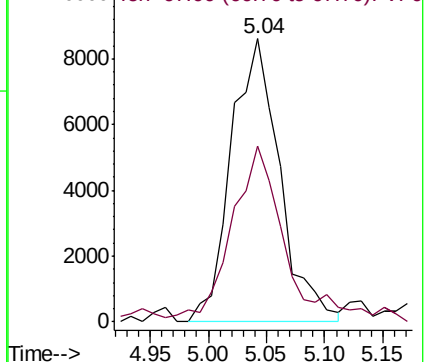
Ion Ratio Lower Upper

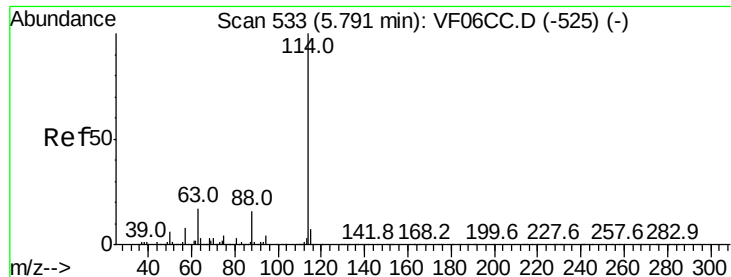
65 100

67 62.0 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

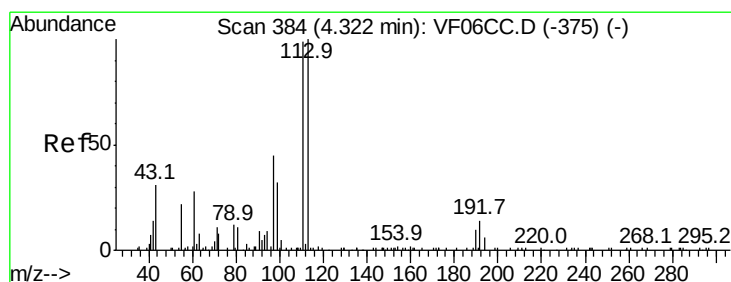
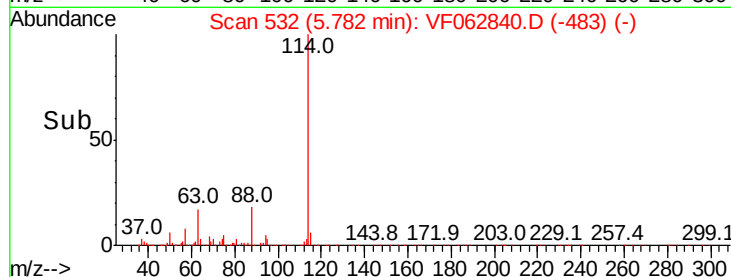
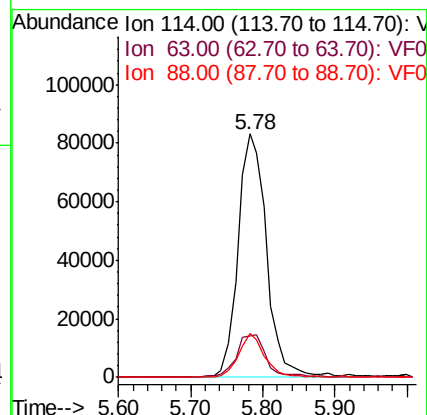
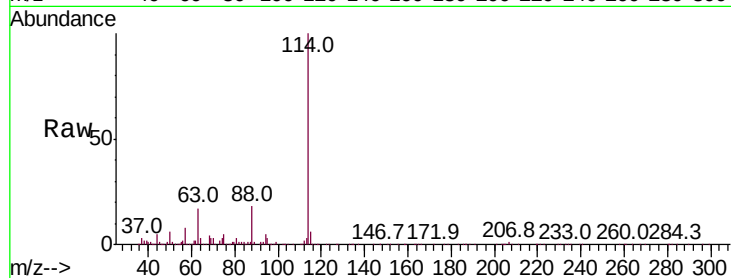
Delta R.T. -0.02 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	34.2
88	18.3	0.0	31.2



#35

Dibromofluoromethane

Concen: 12.186 ug/l

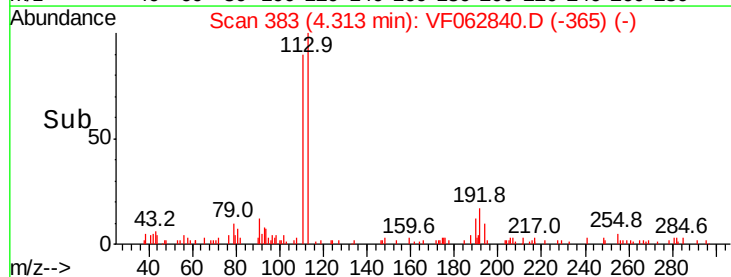
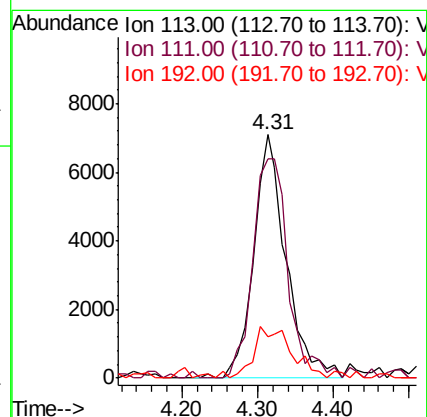
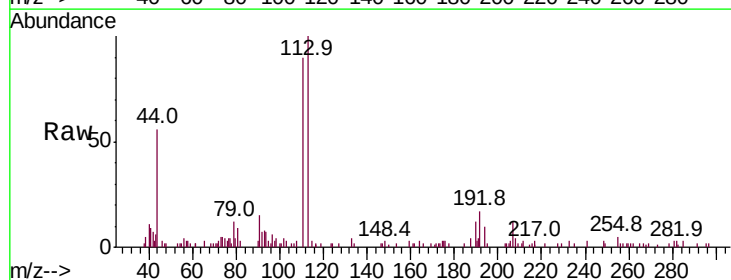
RT: 4.31 min Scan# 383

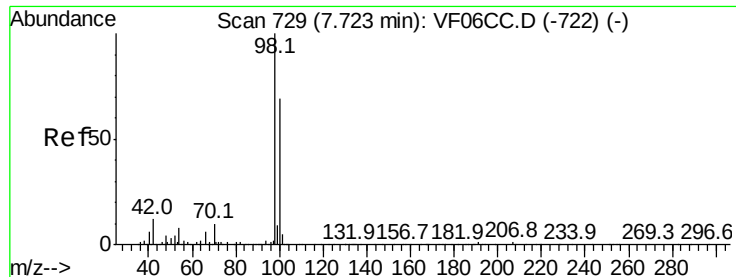
Delta R.T. -0.02 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	89.8	81.9	122.9
192	17.0	15.1	22.7





#50

Toluene-d8

Concen: 35.486 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

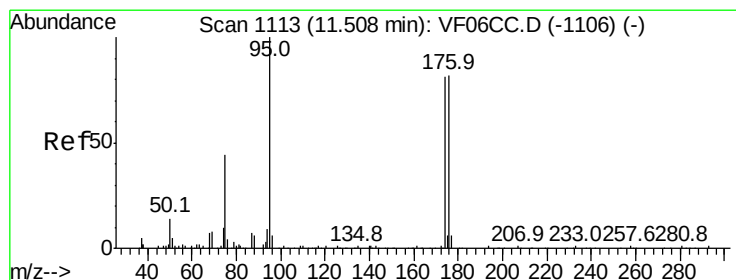
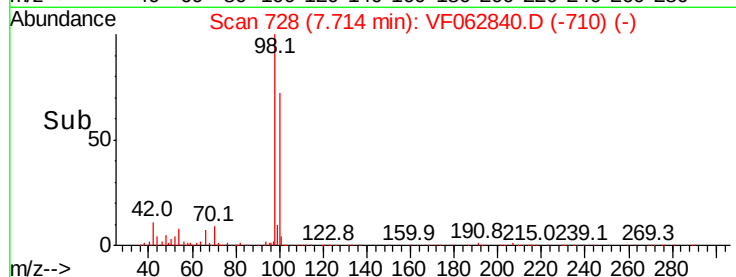
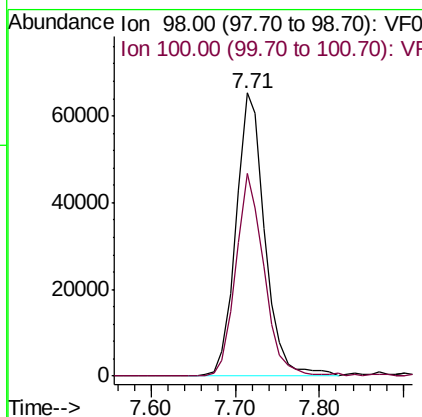
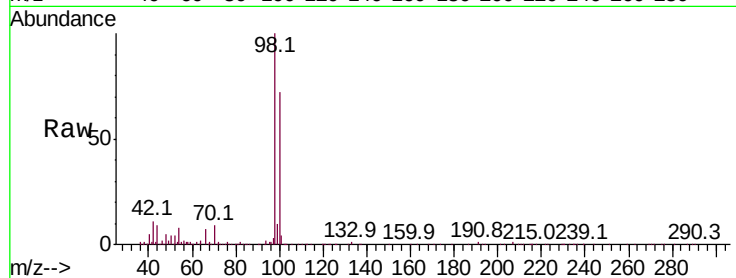
FK-SF-03-008-A

Tot Ion: 98 Resp: 155632

Ion Ratio Lower Upper

98 100

100 71.6 59.8 89.8



#62

4-Bromofluorobenzene

Concen: 24.934 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

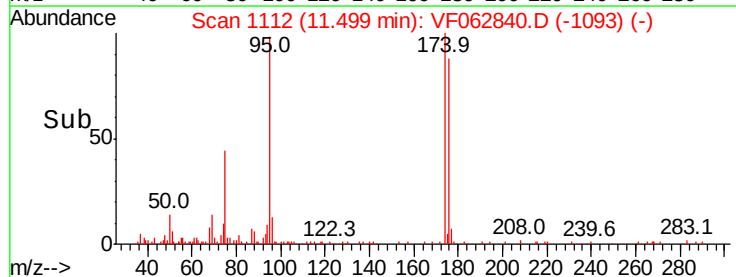
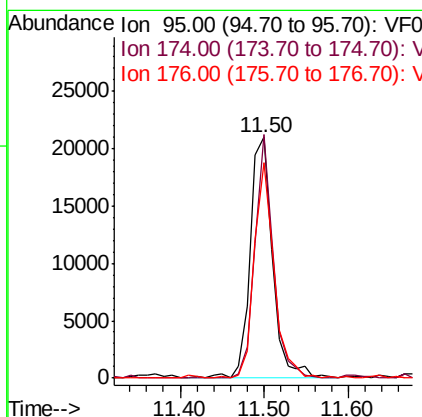
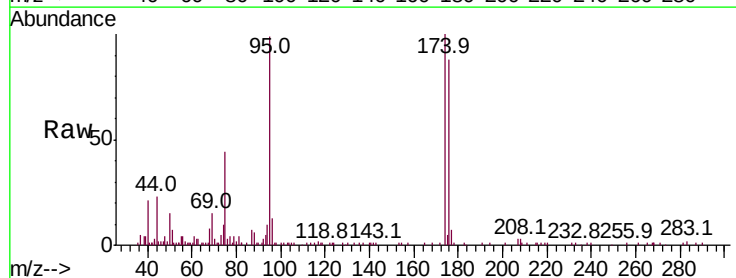
Tgt Ion: 95 Resp: 39336

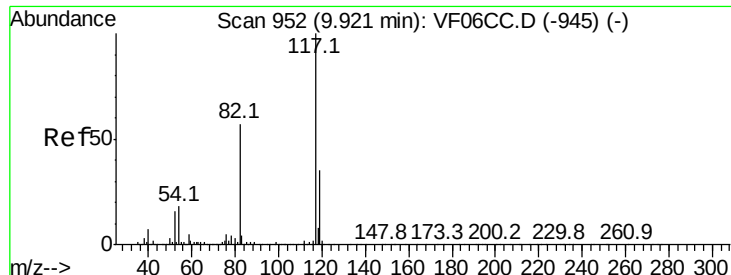
Ion Ratio Lower Upper

95 100

174 101.2 0.0 170.6

176 89.4 0.0 170.6

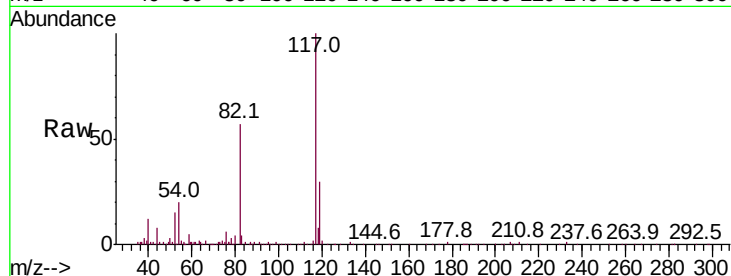




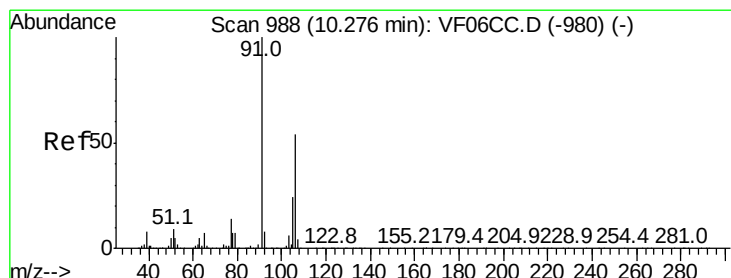
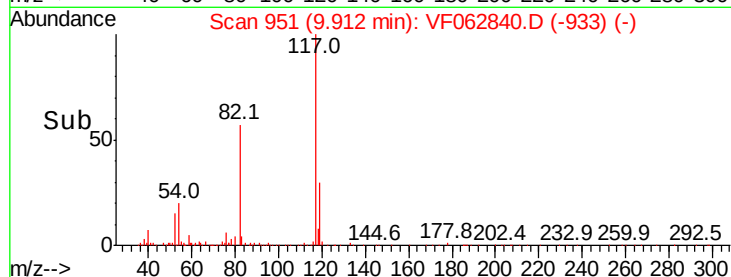
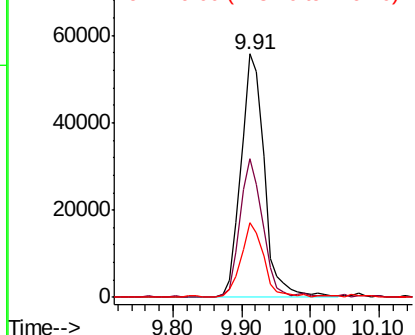
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062840.D
Acq: 4 Jun 2019 15:52

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.4	63.6
119	30.5	27.1	40.7

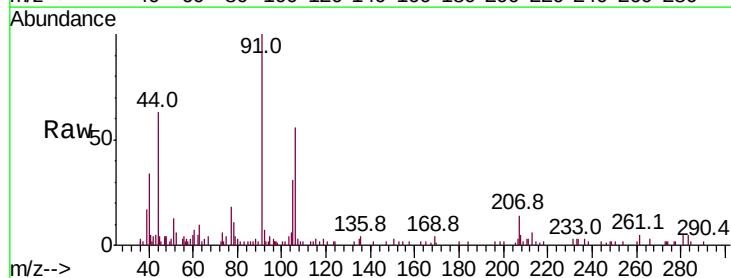


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

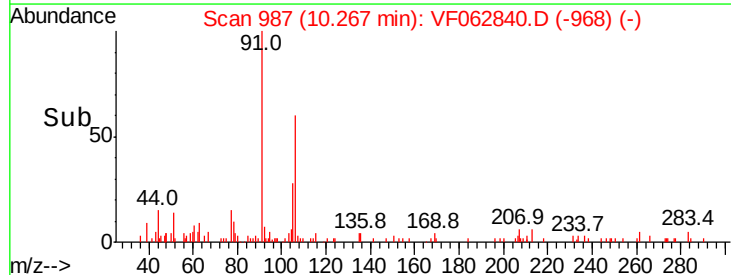
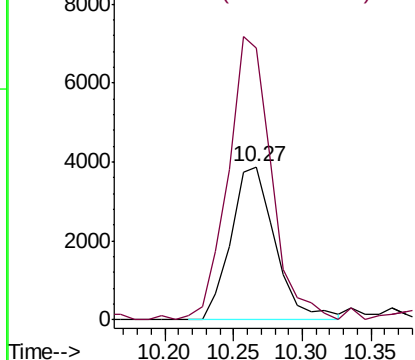


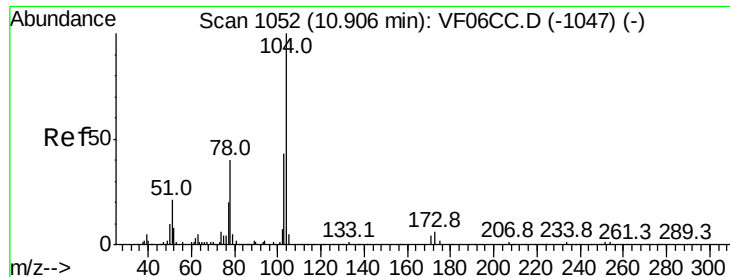
#68
m/p-Xylenes
Concen: 5.205 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062840.D
Acq: 4 Jun 2019 15:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	177.2	136.2	204.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#70

Stvrene

Concen: 6.672 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-03-008-A

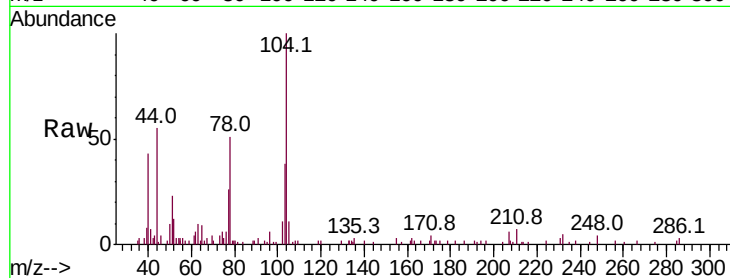
Tot Ion:104 Resp: 16661

Ion Ratio Lower Upper

104 100

78 51.1 30.8 46.2#

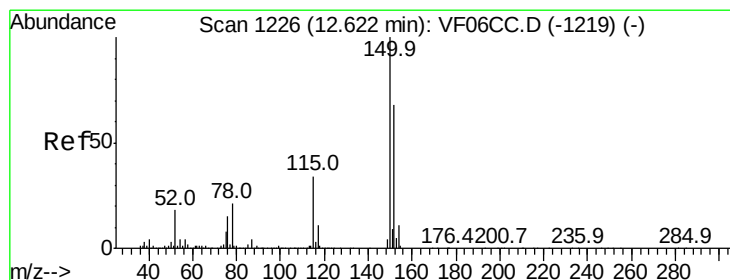
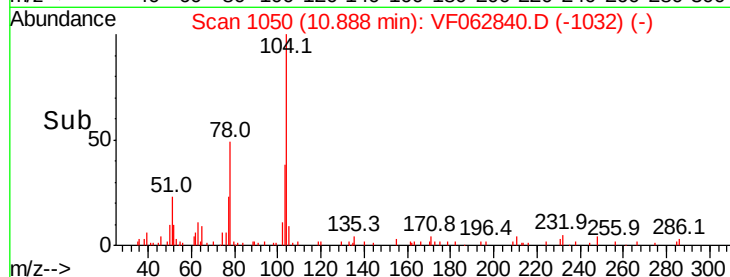
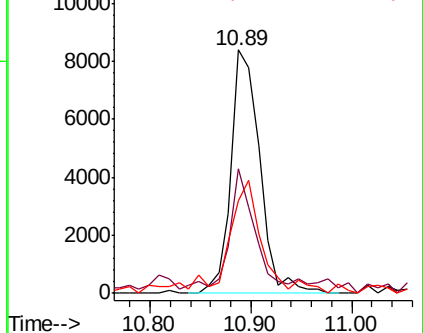
103 37.8 35.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

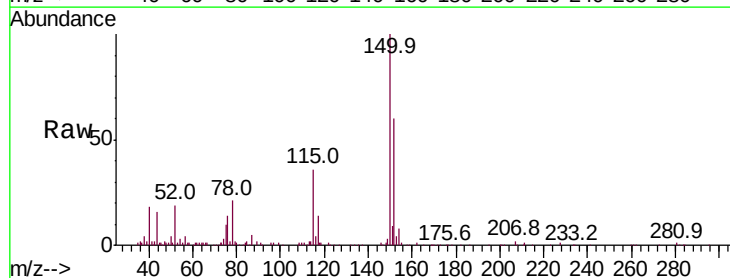
Tgt Ion:152 Resp: 32924

Ion Ratio Lower Upper

152 100

115 59.5 24.6 74.0

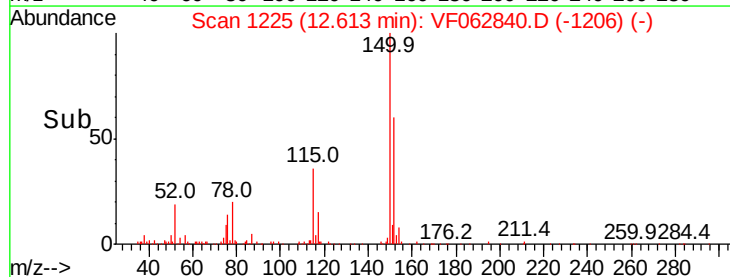
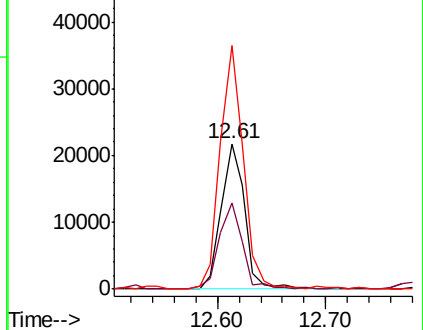
150 167.4 0.0 290.6

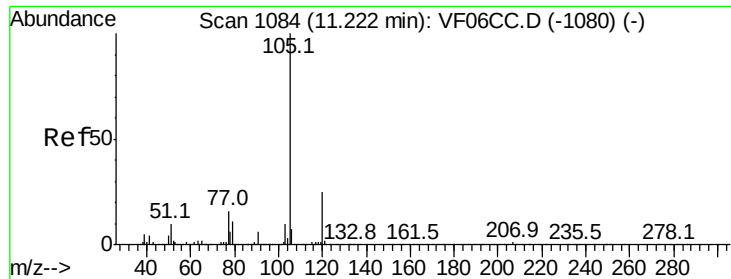


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 3.131 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

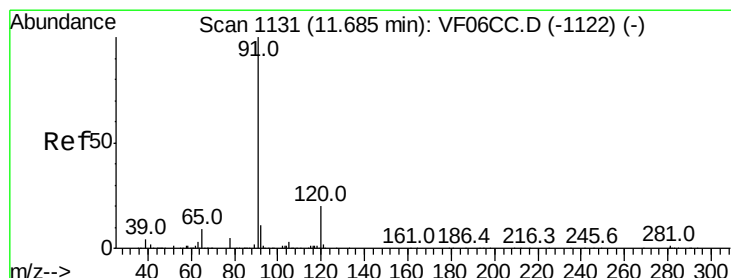
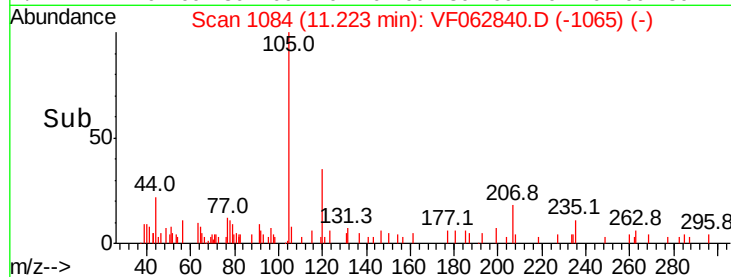
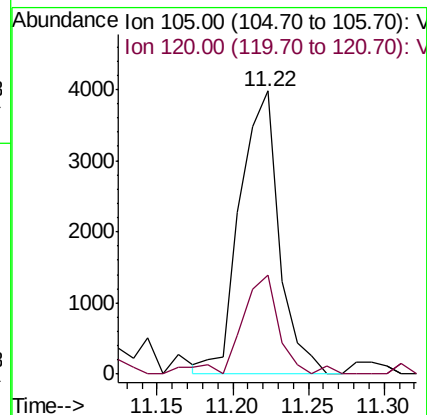
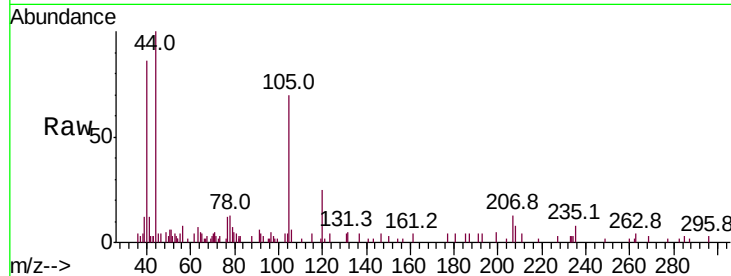
FK-SF-03-008-A

Tot Ion:105 Resp: 7192

Ion Ratio Lower Upper

105 100

120 35.1 15.1 45.3



#78

n-propylbenzene

Concen: 4.429 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062840.D

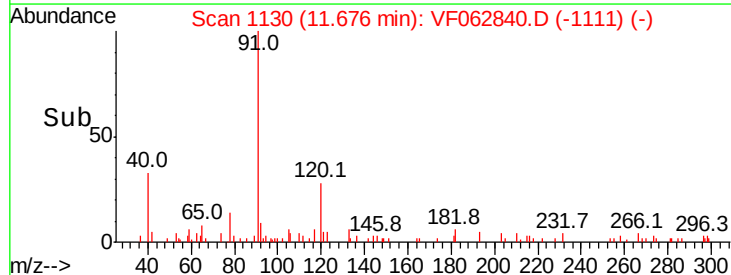
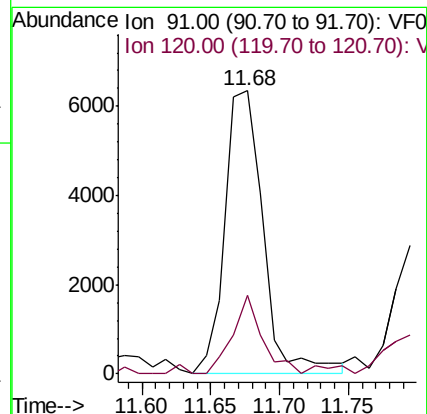
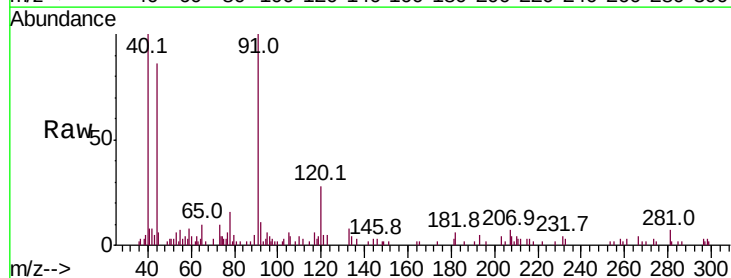
Acq: 4 Jun 2019 15:52

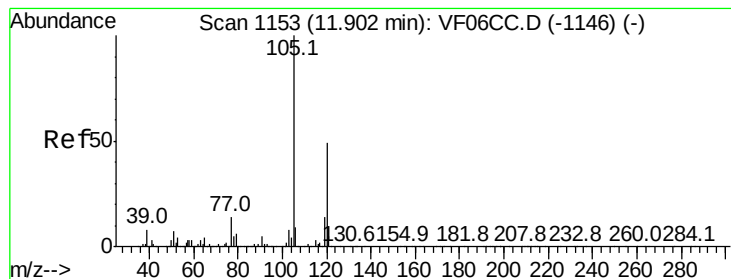
Tgt Ion: 91 Resp: 12284

Ion Ratio Lower Upper

91 100

120 27.8 12.8 38.4





#80

1,3,5-Trimethylbenzene

Concen: 3.589 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

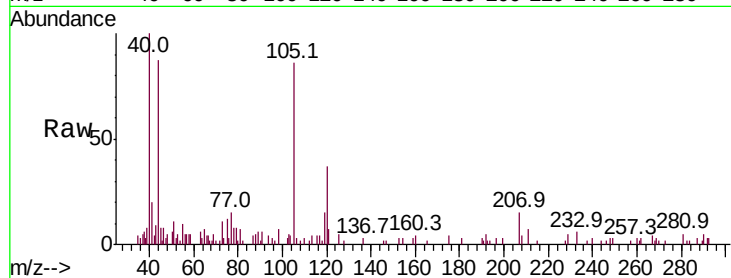
FK-SF-03-008-A

Tot Ion:105 Resp: 6743

Ion Ratio Lower Upper

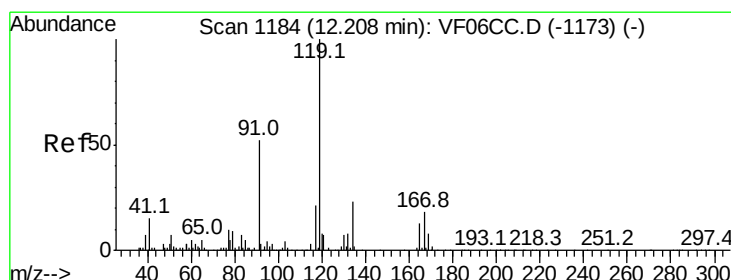
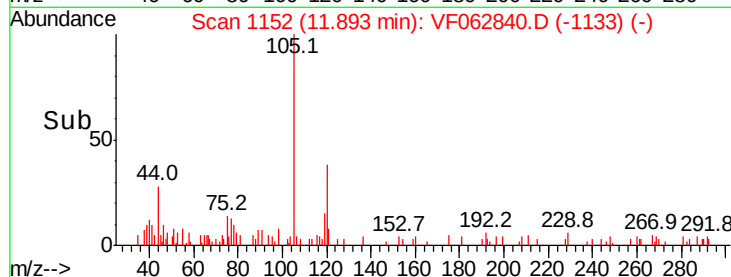
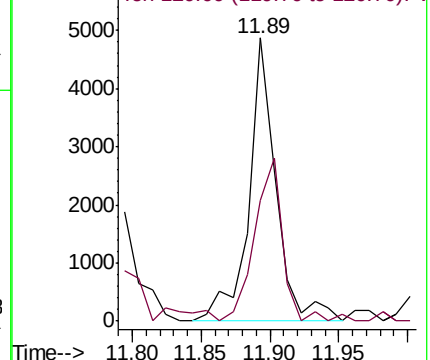
105 100

120 42.6 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 2.157 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

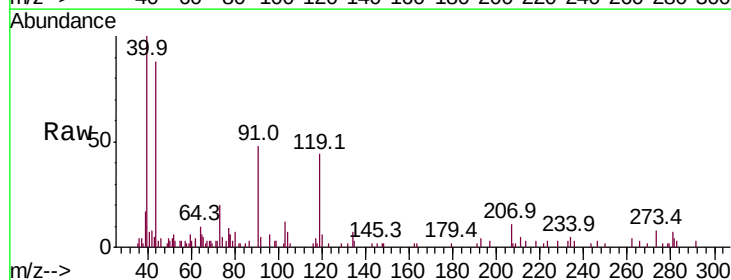
Tgt Ion:119 Resp: 4016

Ion Ratio Lower Upper

119 100

91 109.3 28.9 86.7#

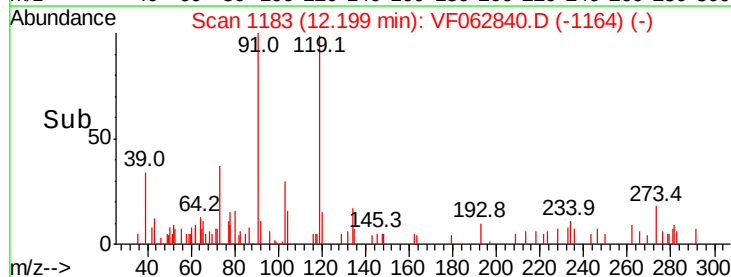
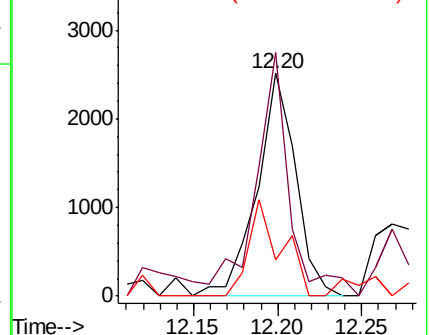
134 16.1 14.3 42.9

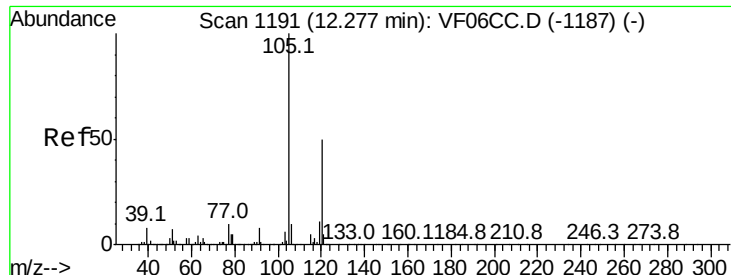


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

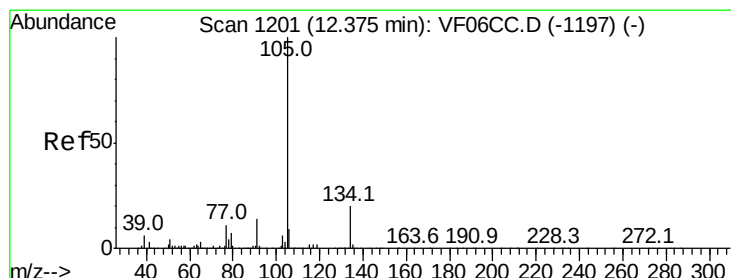
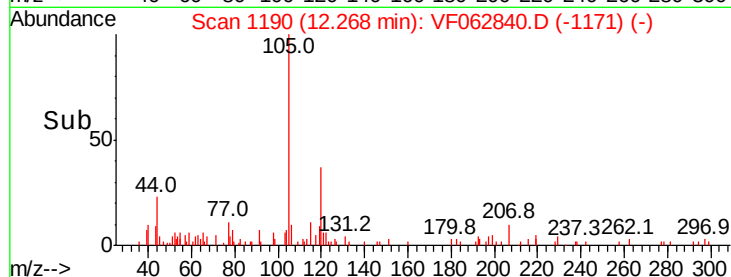
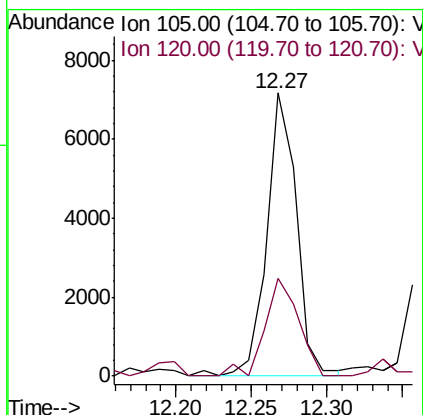
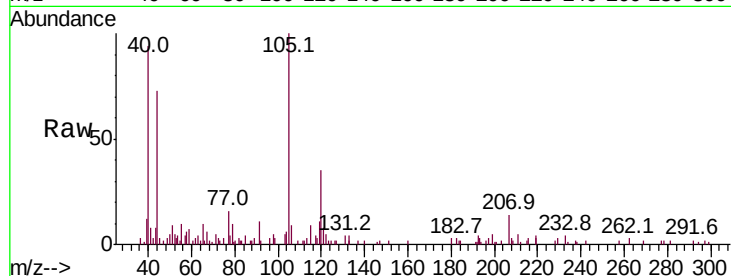




#84
 1,2,4-Trimethylbenzene
 Concen: 5.577 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062840.D
 Acq: 4 Jun 2019 15:52

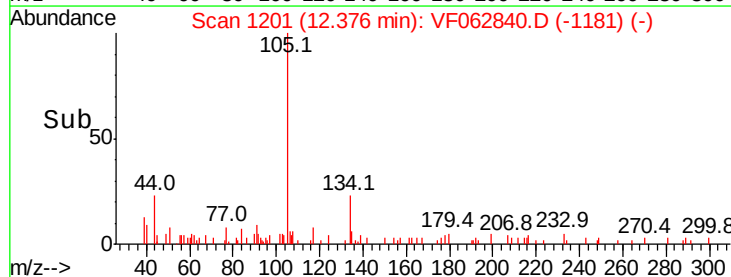
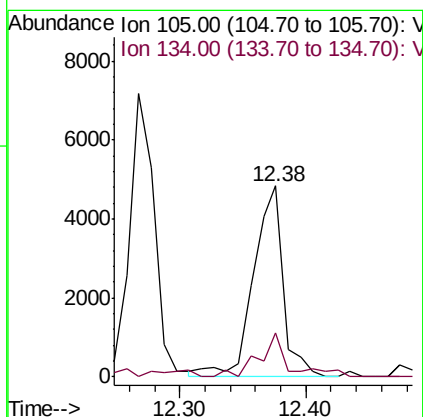
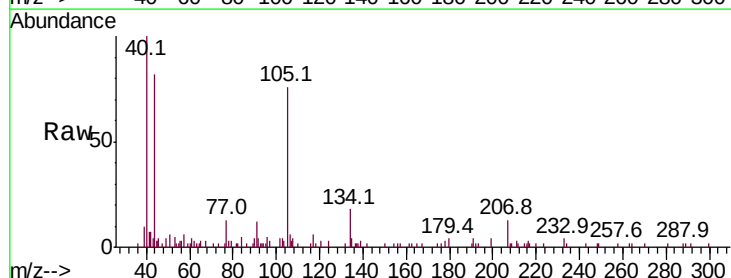
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-03-008-A

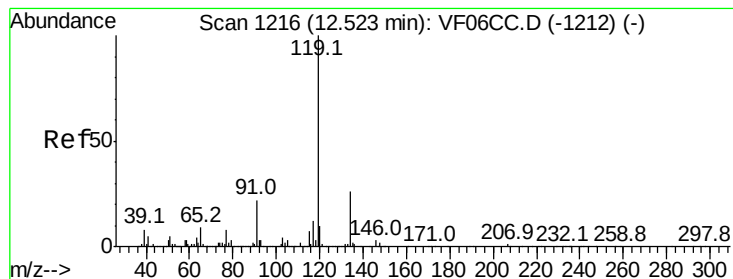
Tot Ion:105 Resp: 9934
 Ion Ratio Lower Upper
 105 100
 120 34.5 27.1 81.3



#85
 sec-Butylbenzene
 Concen: 3.245 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062840.D
 Acq: 4 Jun 2019 15:52

Tgt Ion:105 Resp: 7959
 Ion Ratio Lower Upper
 105 100
 134 23.3 10.5 31.6





#86

p-Isopropyltoluene

Concen: 3.435 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-03-008-A

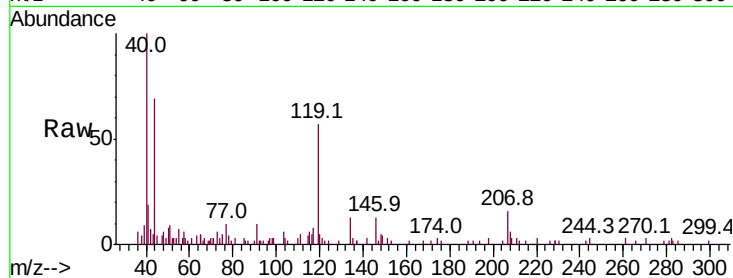
Tot Ion:119 Resp: 7013

Ion Ratio Lower Upper

119 100

134 22.4 15.5 46.5

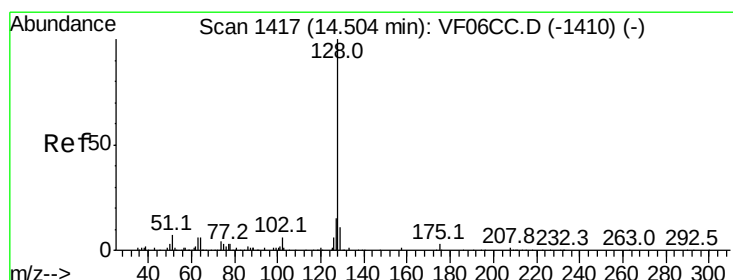
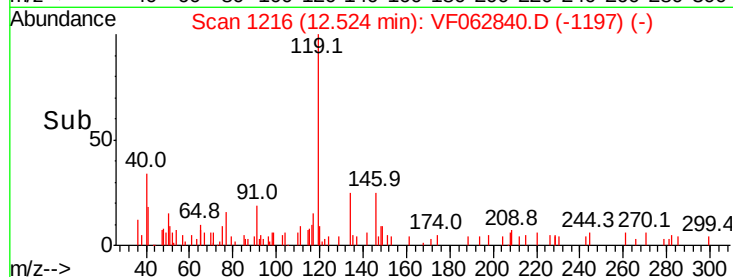
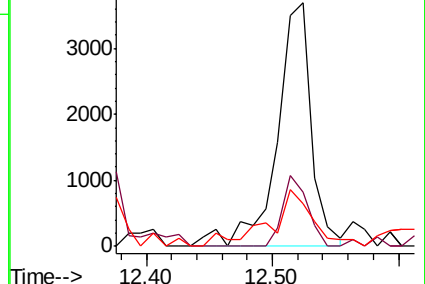
91 17.8 10.3 30.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 14.202 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062840.D

Acq: 4 Jun 2019 15:52

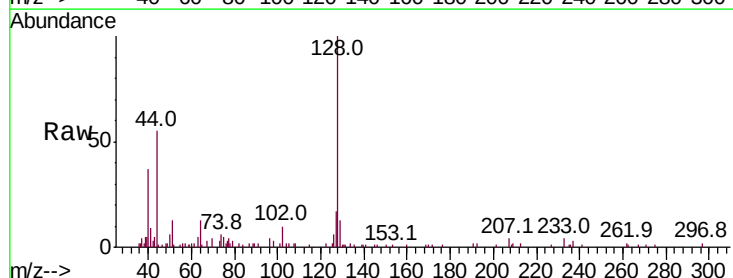
Tgt Ion:128 Resp: 14294

Ion Ratio Lower Upper

128 100

127 17.2 9.7 14.5#

129 12.6 9.4 14.2



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

