

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060446.D
 Acq On : 4 Oct 2018 20:01
 Operator : VA/AP
 Sample : J5218-01
 Misc : 5.26/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 280-356

Quant Time: Oct 05 14:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

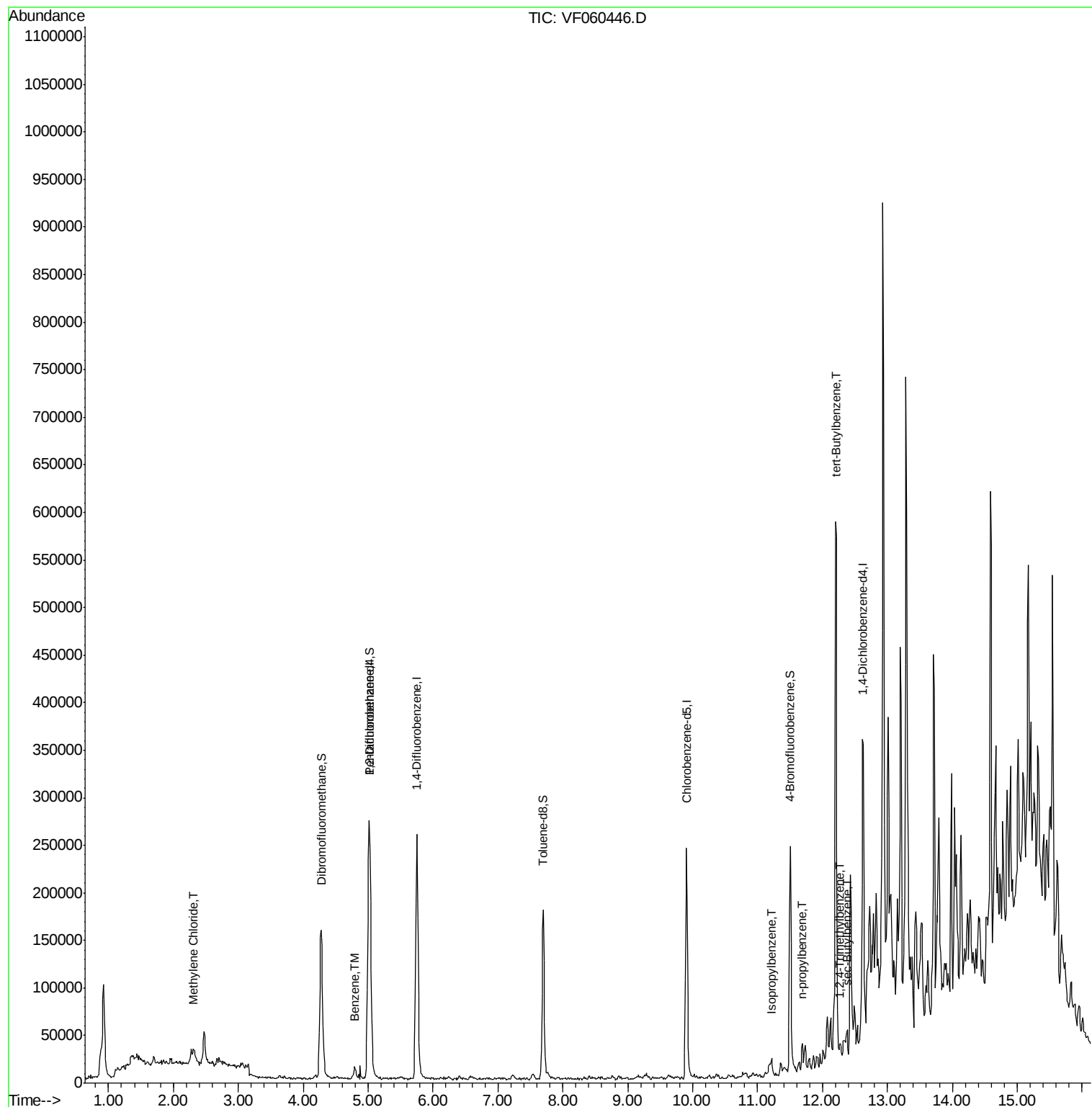
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	146934	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	251678	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	152711	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	51320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	148821	64.73	ug/l	0.02
Spiked Amount 50.000			Recovery	=	129.46%	
35) Dibromofluoromethane	4.28	113	140429	59.39	ug/l	0.02
Spiked Amount 50.000			Recovery	=	118.78%	
50) Toluene-d8	7.70	98	138441	23.78	ug/l	0.02
Spiked Amount 50.000			Recovery	=	47.56%	
62) 4-Bromofluorobenzene	11.50	95	81424	30.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.26%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.31	84	11029	1.129	ug/l	88
40) Benzene	4.79	78	12739	2.068	ug/l	99
73) Isopropylbenzene	11.22	105	8045	1.991	ug/l	90
78) n-propylbenzene	11.68	91	5612	1.146	ug/l	83
83) tert-Butylbenzene	12.20	119	238874	70.544	ug/l	85
84) 1,2,4-Trimethylbenzene	12.28	105	4670	1.372	ug/l	93
85) sec-Butylbenzene	12.38	105	9864	2.110	ug/l	85

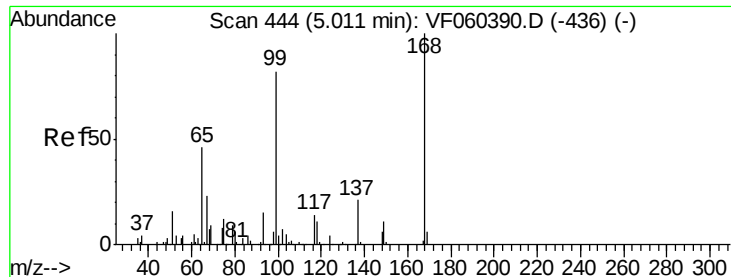
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 14:28:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.02 min

Lab File: VF060446.D

Acq: 4 Oct 2018 20:01

Instrument :

MSVOA_F

ClientSampled :

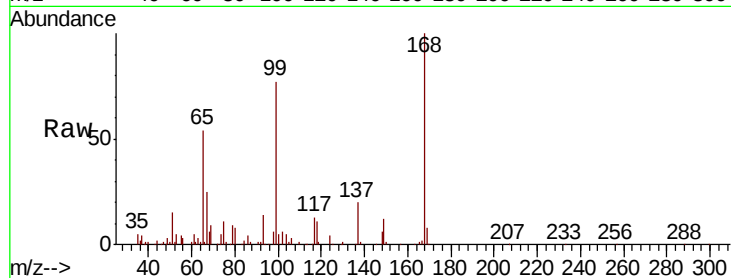
280-356

Tot Ion:168 Resp: 146934

Ion Ratio Lower Upper

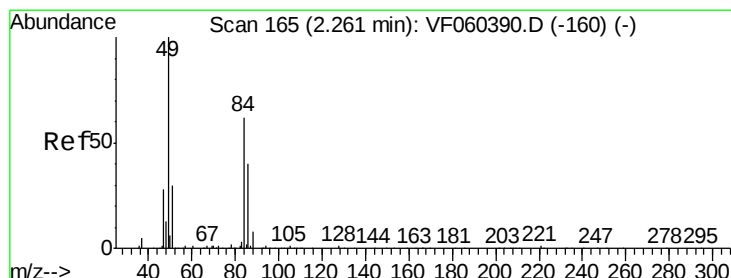
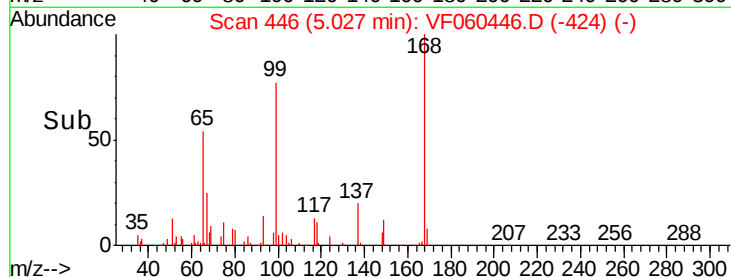
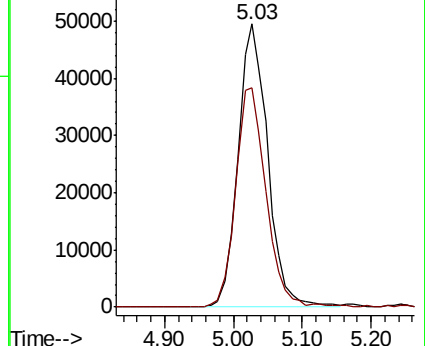
168 100

99 77.3 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 1.129 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.05 min

Lab File: VF060446.D

Acq: 4 Oct 2018 20:01

Tgt Ion: 84 Resp: 11029

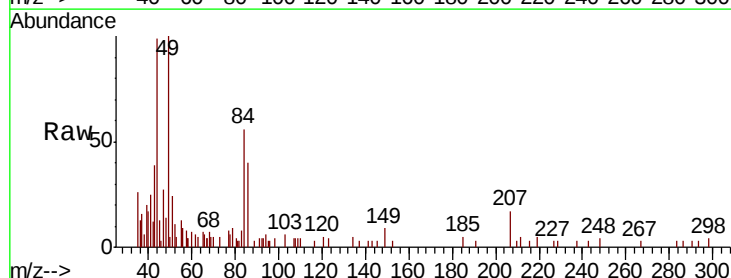
Ion Ratio Lower Upper

84 100

49 179.6 130.2 195.2

51 43.2 41.0 61.6

86 72.0 51.5 77.3

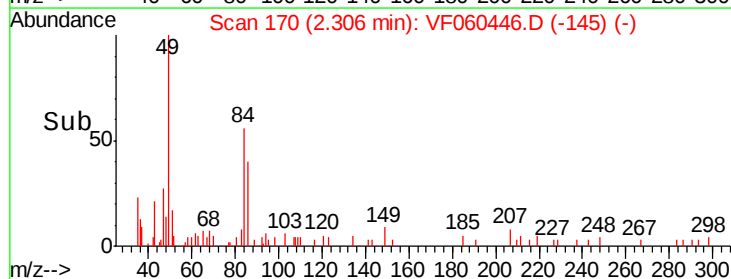
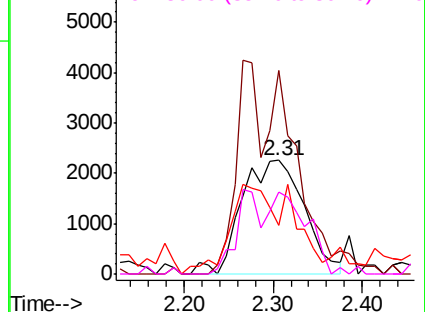


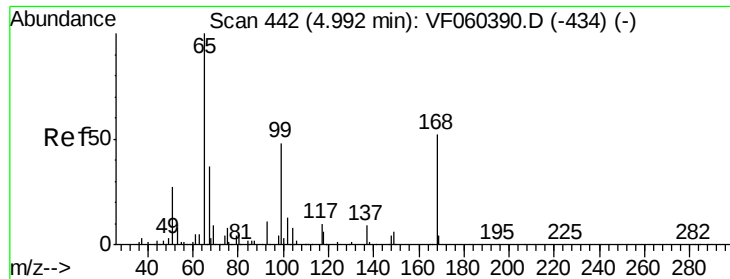
Abundance Ion 84.00 (83.70 to 84.70): VF0

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

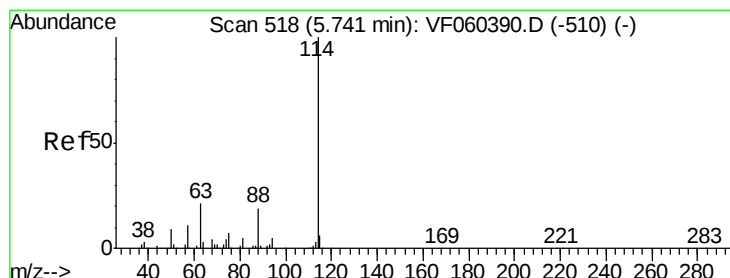
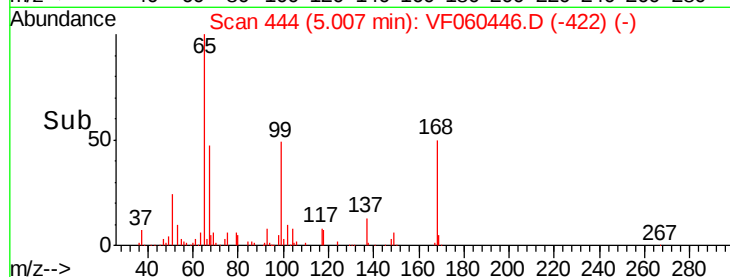
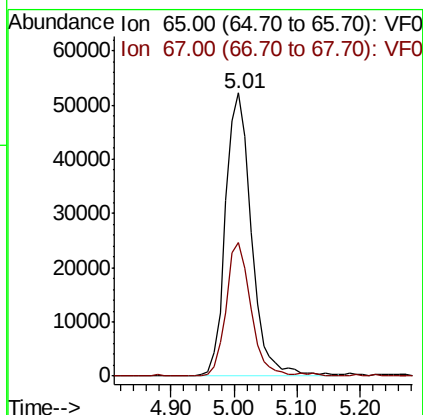
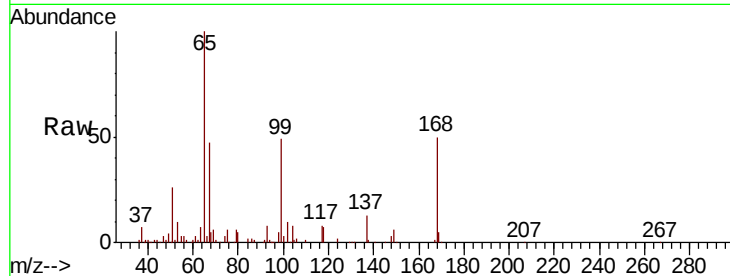




#33
 1,2-Dichloroethane-d4
 Concen: 64.728 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.02 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

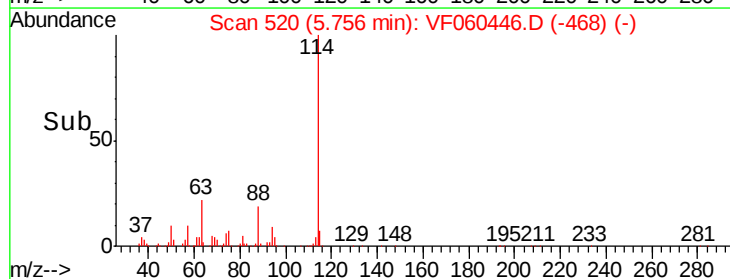
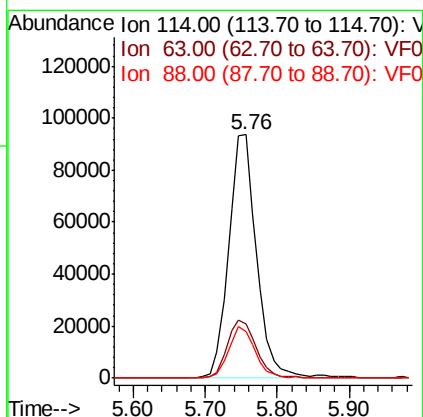
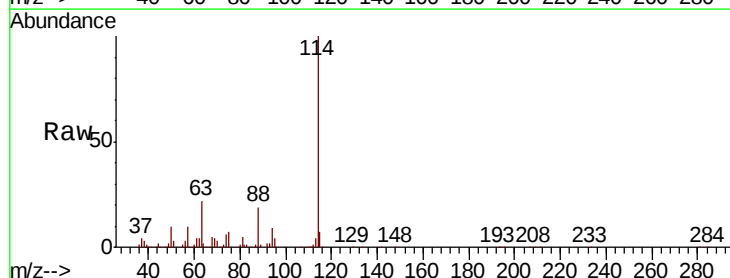
Instrument :
 MSVOA_F
 ClientSampleId :
 280-356

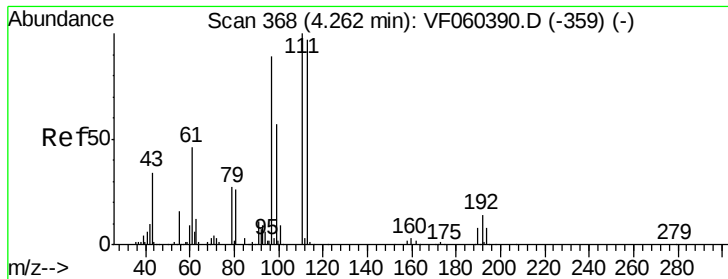
Tot Ion: 65 Resp: 148821
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.02 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

Tgt Ion: 114 Resp: 251678
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.2
 88 19.3 0.0 38.8

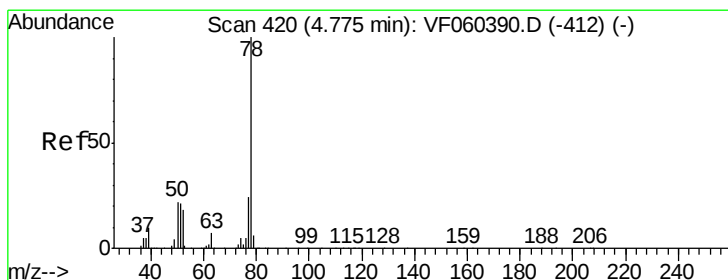
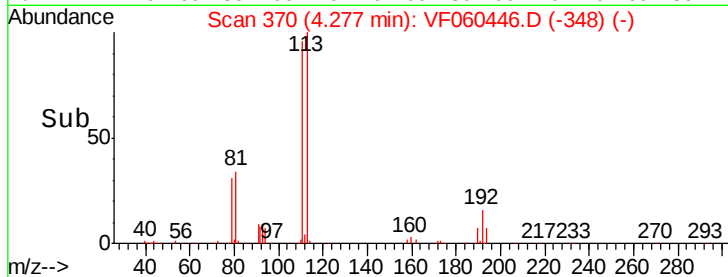
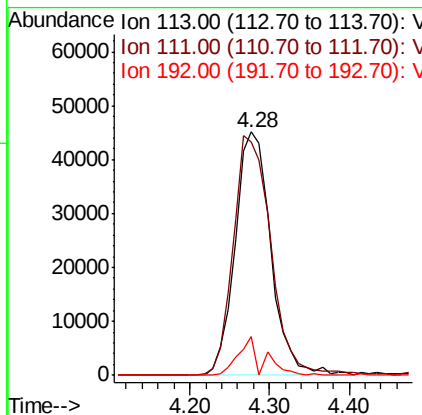
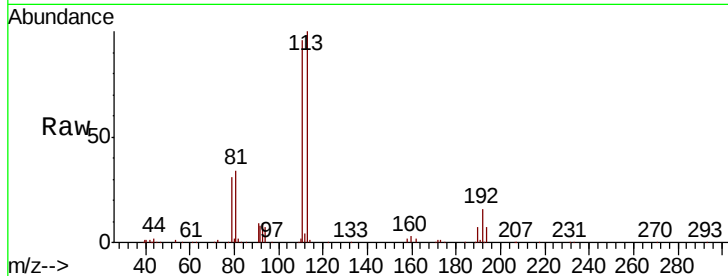




#35
 Dibromofluoromethane
 Concen: 59.394 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

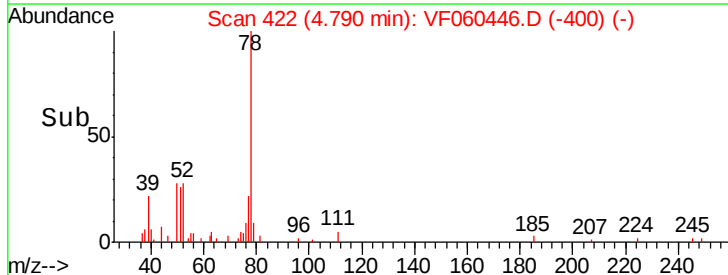
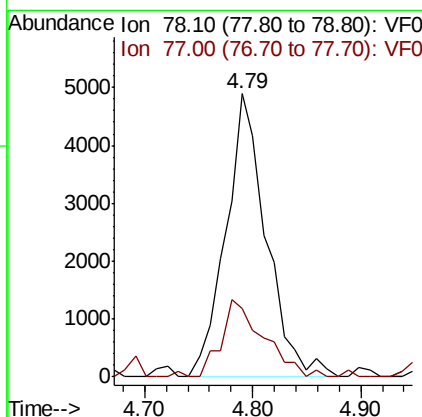
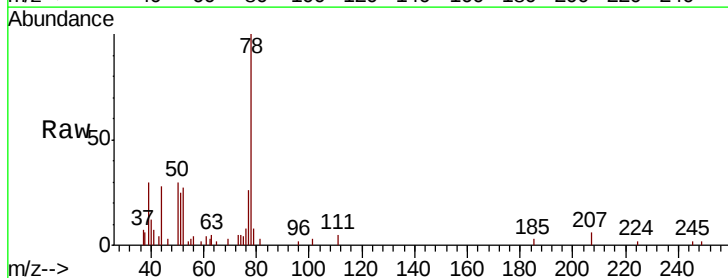
Instrument :
 MSVOA_F
 ClientSampleId :
 280-356

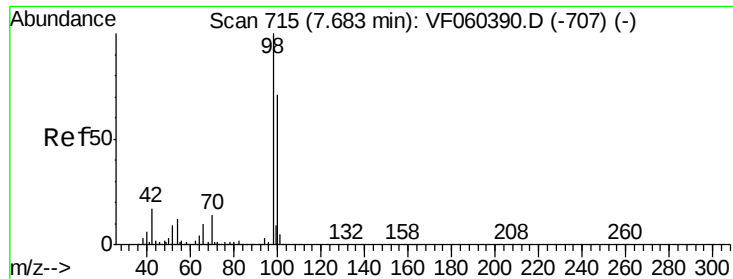
Tot Ion:113 Resp: 140429
 Ion Ratio Lower Upper
 113 100
 111 96.0 82.3 123.5
 192 16.1 11.8 17.6



#40
 Benzene
 Concen: 2.068 ug/l
 RT: 4.79 min Scan# 422
 Delta R.T. 0.02 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

Tgt Ion: 78 Resp: 12739
 Ion Ratio Lower Upper
 78 100
 77 24.4 19.2 28.8





#50

Toluene-d8

Concen: 23.775 ug/l

RT: 7.70 min Scan# 717

Delta R.T. 0.02 min

Lab File: VF060446.D

Acq: 4 Oct 2018 20:01

Instrument :

MSVOA_F

ClientSampleId :

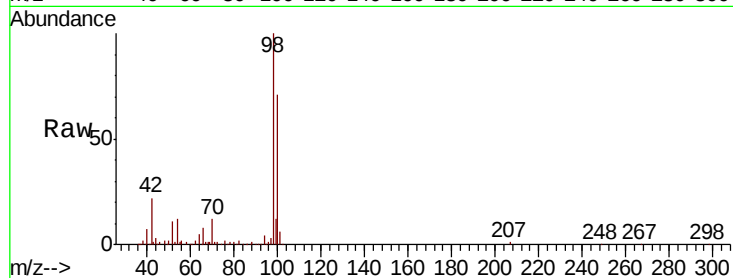
280-356

Tot Ion: 98 Resp: 138441

Ion Ratio Lower Upper

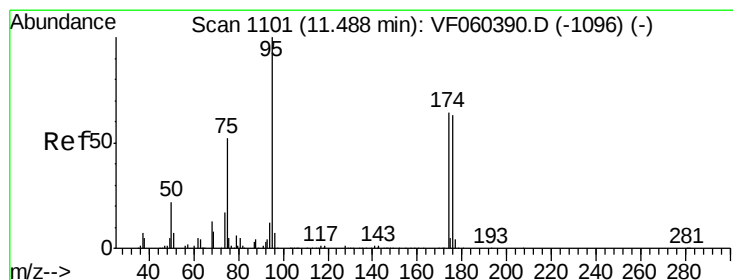
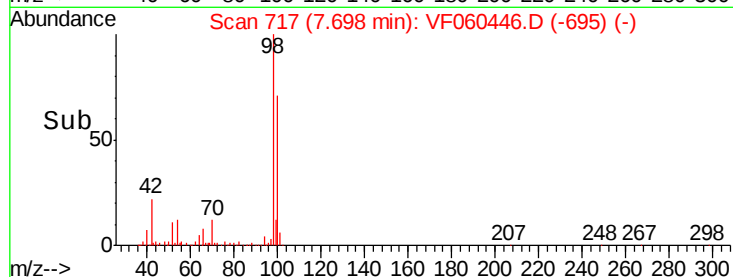
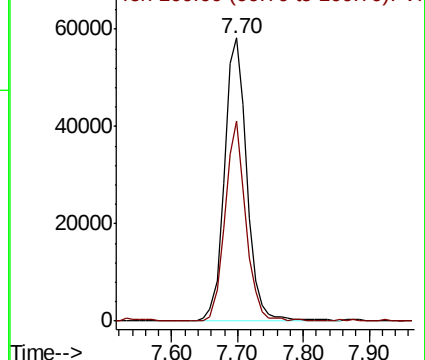
98 100

100 70.6 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 30.625 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF060446.D

Acq: 4 Oct 2018 20:01

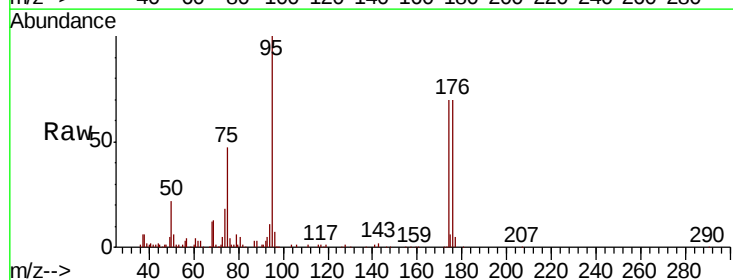
Tgt Ion: 95 Resp: 81424

Ion Ratio Lower Upper

95 100

174 69.9 0.0 129.0

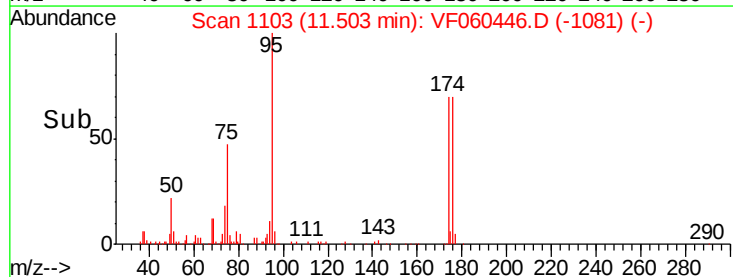
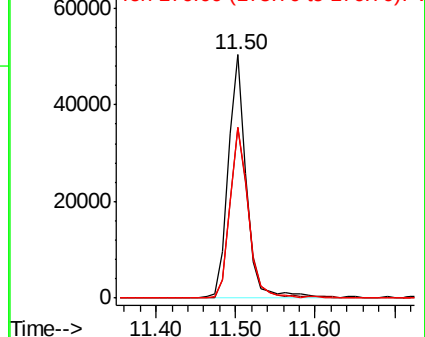
176 69.9 0.0 125.6

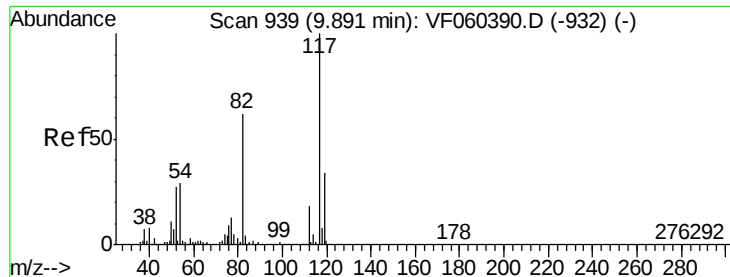


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

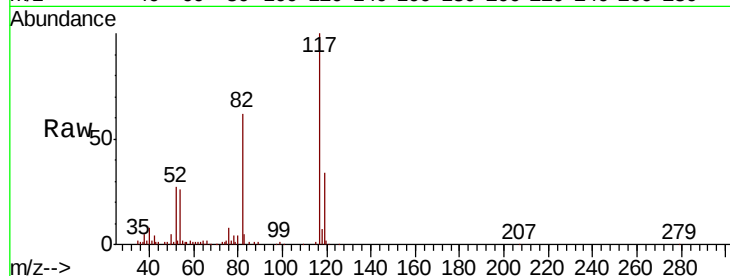




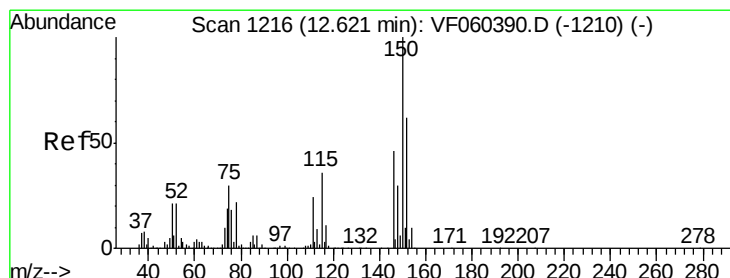
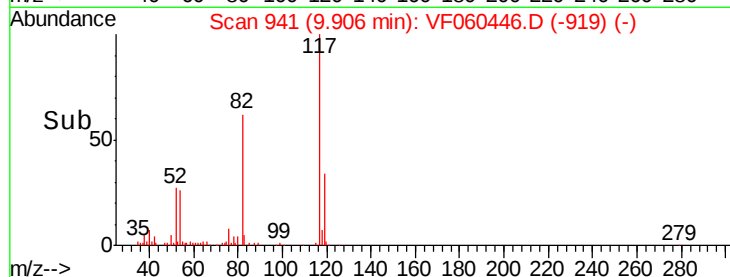
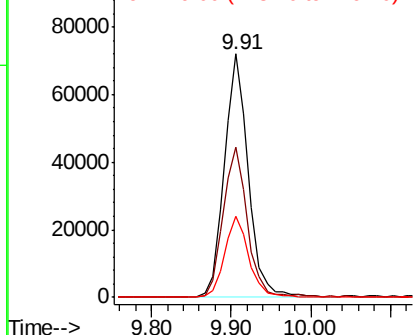
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060446.D
Acq: 4 Oct 2018 20:01

Instrument :
MSVOA_F
ClientSampleId :
280-356

Tot Ion:117 Resp: 152711
Ion Ratio Lower Upper
117 100
82 61.6 49.5 74.3
119 33.5 27.0 40.6

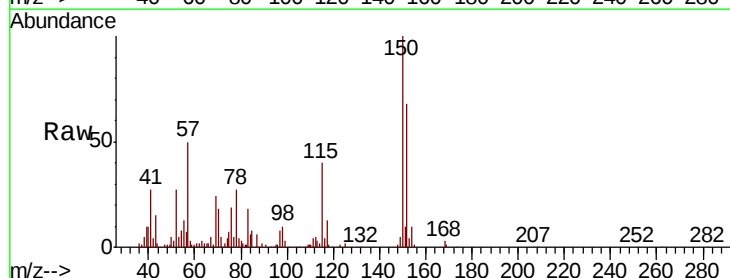


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

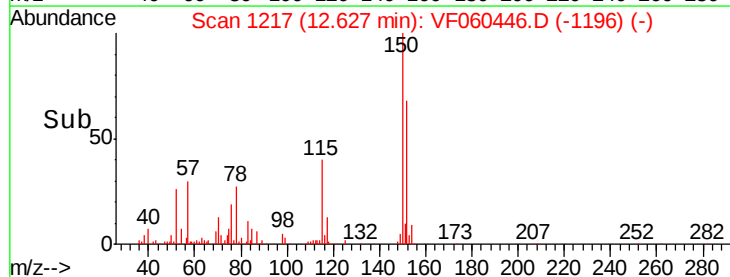
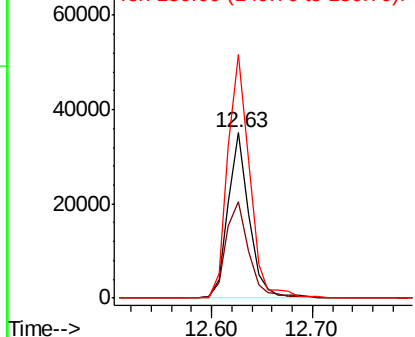


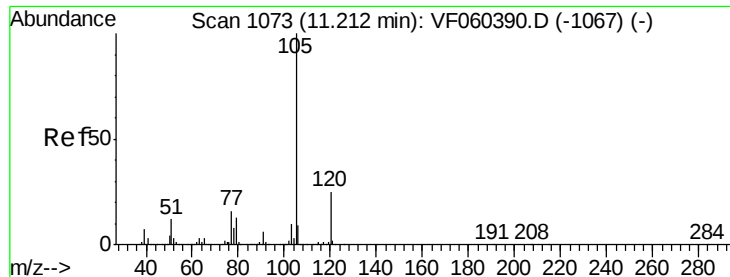
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060446.D
Acq: 4 Oct 2018 20:01

Tgt Ion:152 Resp: 51320
Ion Ratio Lower Upper
152 100
115 58.5 28.6 85.8
150 147.6 0.0 324.6



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: 1.991 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VF060446.D

Acq: 4 Oct 2018 20:01

Instrument :

MSVOA_F

ClientSampleId :

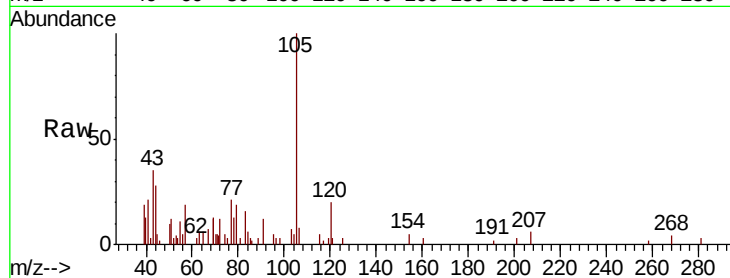
280-356

Tot Ion:105 Resp: 8045

Ion Ratio Lower Upper

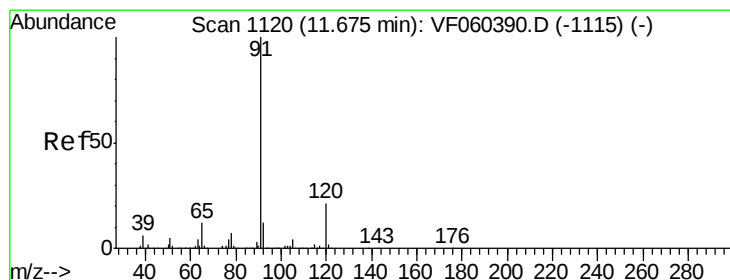
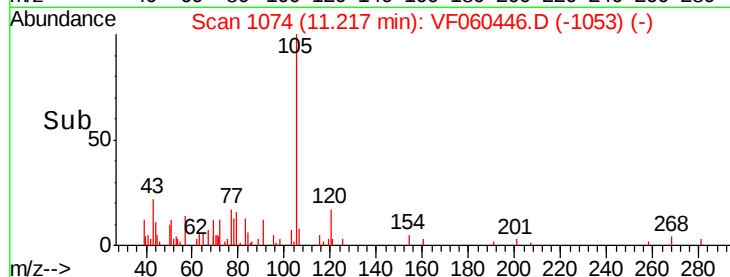
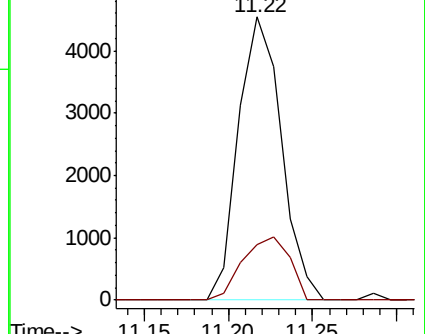
105 100

120 19.8 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.146 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF060446.D

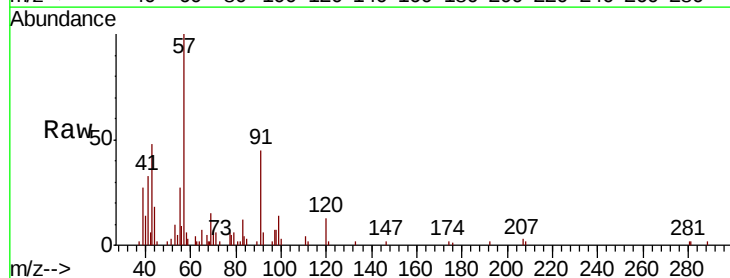
Acq: 4 Oct 2018 20:01

Tgt Ion: 91 Resp: 5612

Ion Ratio Lower Upper

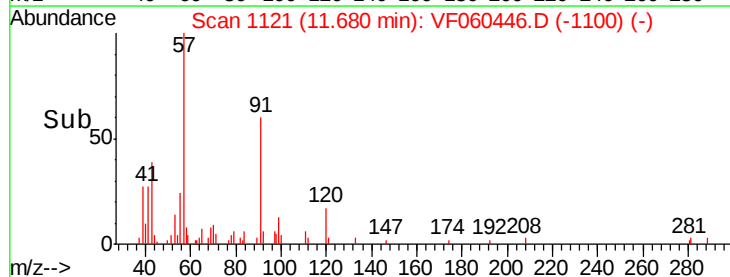
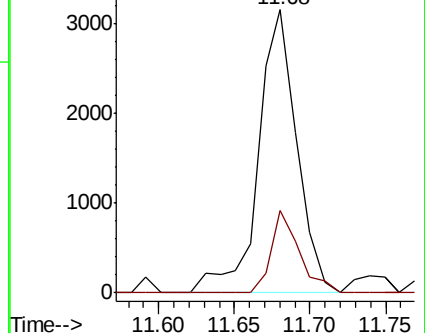
91 100

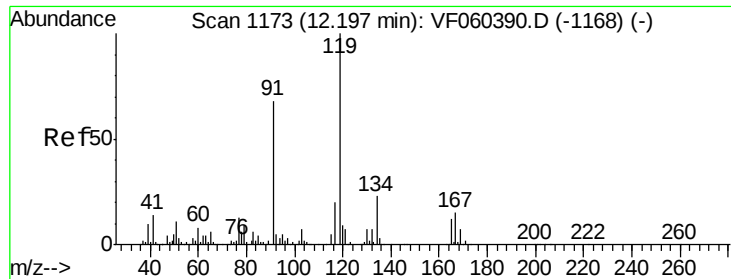
120 28.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

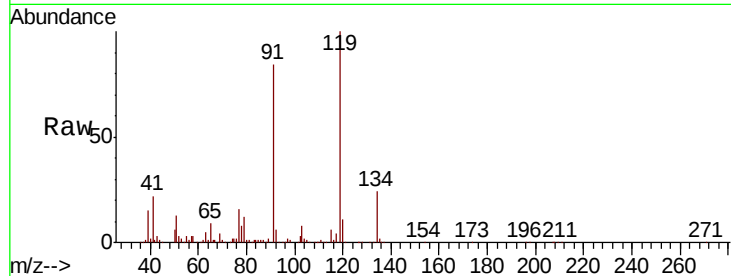




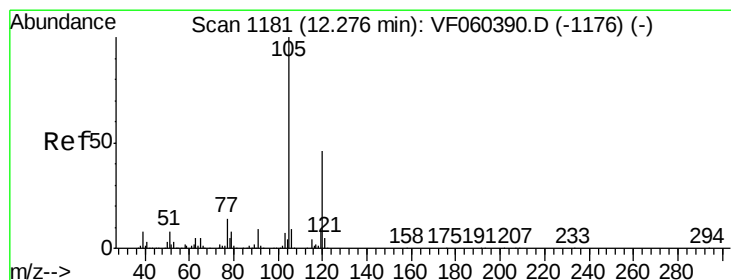
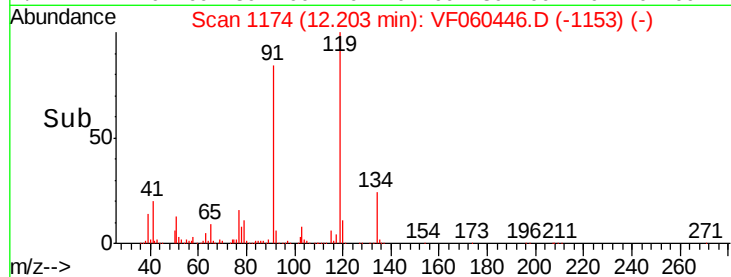
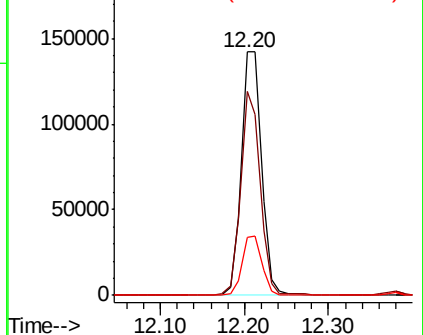
#83
 tert-Butylbenzene
 Concen: 70.544 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

Instrument :
 MSVOA_F
 ClientSampleId :
 280-356

Tot Ion:119 Resp: 238874
 Ion Ratio Lower Upper
 119 100
 91 83.9 34.0 102.0
 134 23.9 11.7 35.0

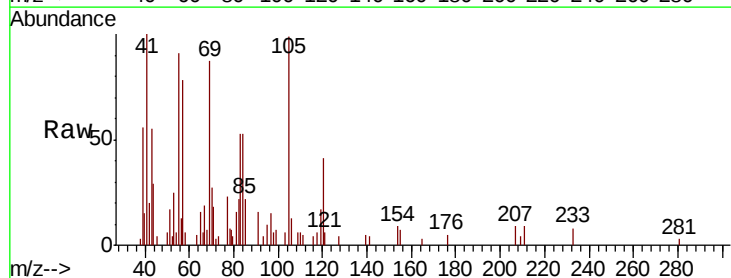


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

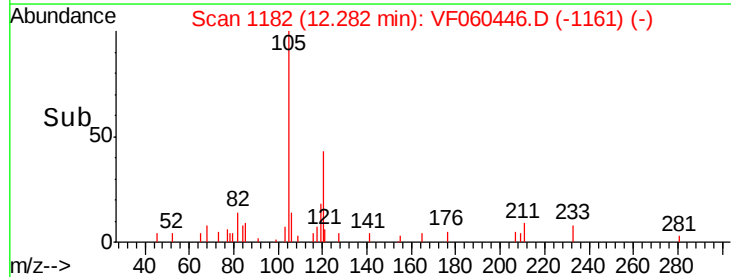
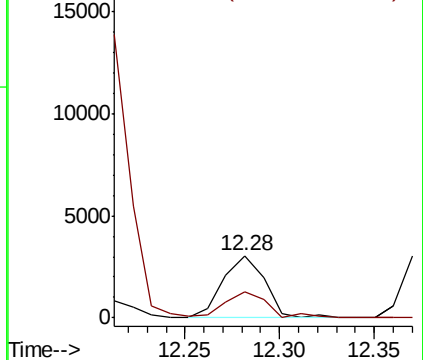


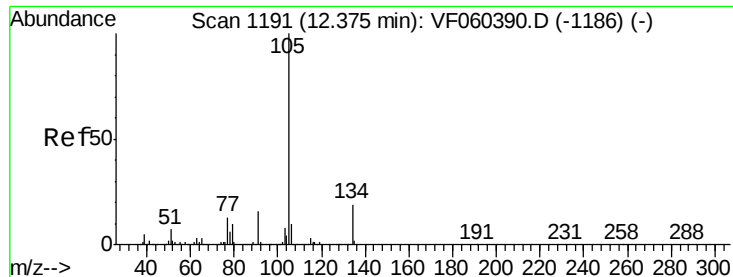
#84
 1,2,4-Trimethylbenzene
 Concen: 1.372 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

Tgt Ion:105 Resp: 4670
 Ion Ratio Lower Upper
 105 100
 120 41.2 23.1 69.2



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





#85
 sec-Butylbenzene
 Concen: 2.110 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060446.D
 Acq: 4 Oct 2018 20:01

Instrument :
 MSVOA_F
 ClientSampleId :
 280-356

Tot Ion:105 Resp: 9864
 Ion Ratio Lower Upper
 105 100
 134 25.9 9.4 28.3

