

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112818\
 Data File : VF060858.D
 Acq On : 28 Nov 2018 16:09
 Operator : VA/AP
 Sample : J5768-07RE
 Misc : 6.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-112818RE

Quant Time: Nov 29 03:29:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

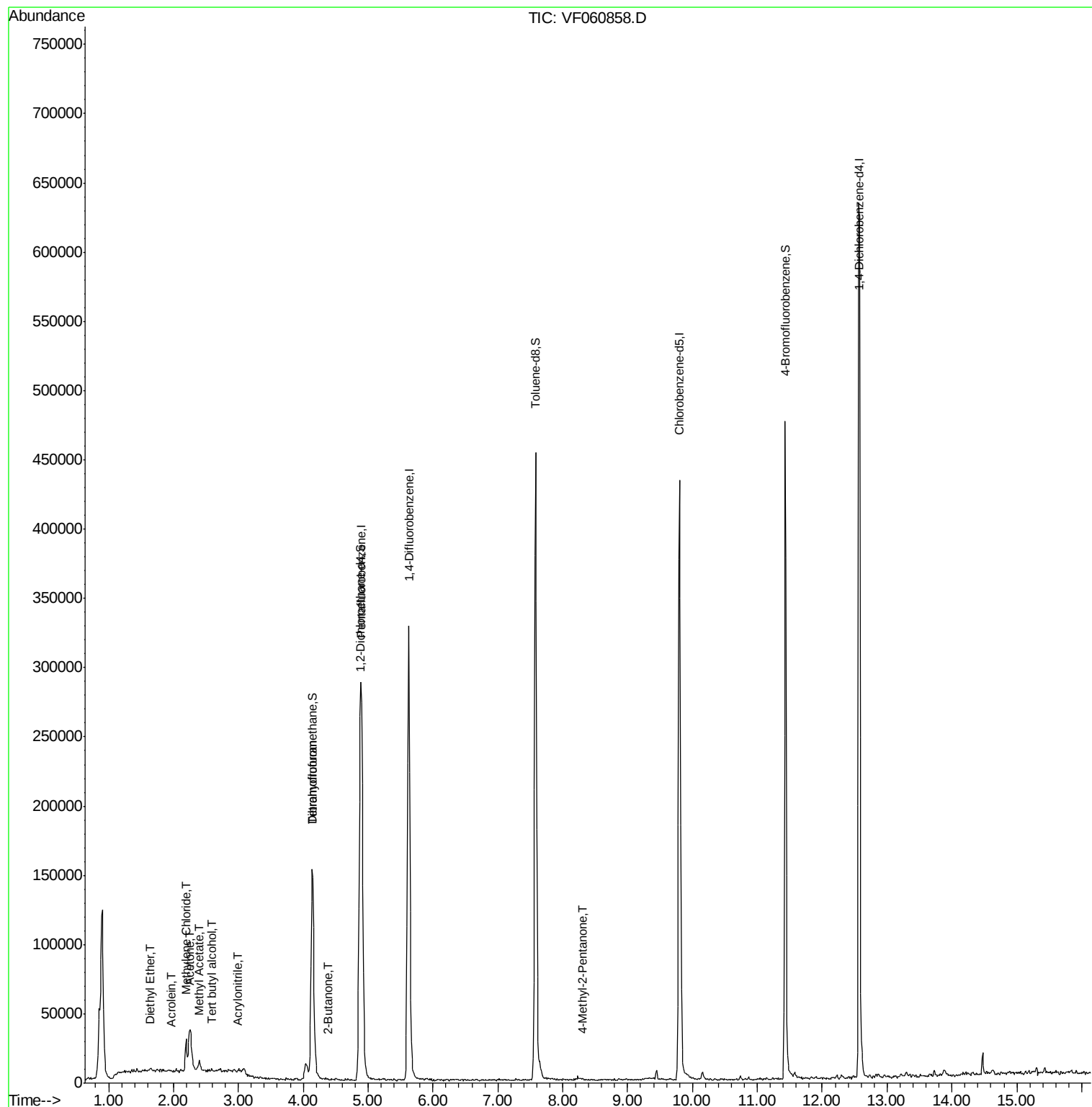
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	212581	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	363022	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	323773	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	172220	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	133647	53.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.74%	
35) Dibromofluoromethane	4.14	113	146465	50.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.72%	
50) Toluene-d8	7.58	98	371784	43.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.64%	
62) 4-Bromofluorobenzene	11.43	95	182311	47.28	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.64	74	636	1.068	ug/l	93
11) Tert butyl alcohol	2.59	59	267	2.601	ug/l #	62
13) Acrolein	1.98	56	430	4.421	ug/l	89
15) Acrylonitrile	2.98	53	340	1.477	ug/l #	11
16) Acetone	2.25	43	19427	42.068	ug/l	99
18) Methyl Acetate	2.40	43	3401	2.832	ug/l #	61
20) Methylene Chloride	2.20	84	9535	5.628	ug/l	88
25) 2-Butanone	4.37	43	1163	1.456	ug/l #	57
29) Tetrahydrofuran	4.13	42	378	1.116	ug/l #	51
41) Methacrylonitrile	4.75	41	335	Below Cal	#	52
43) Isopropyl Acetate	7.02	43	311	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.29	43	2203	1.460	ug/l #	38
95) Naphthalene	14.48	128	9376	Below Cal		99

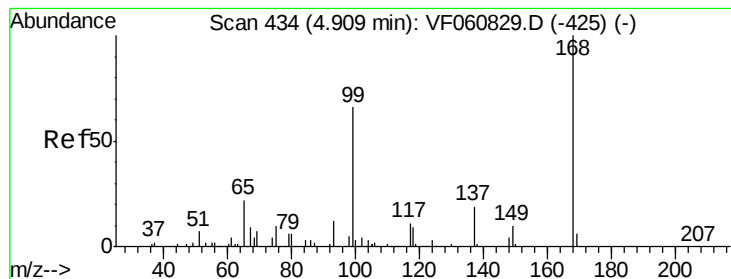
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112818\
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

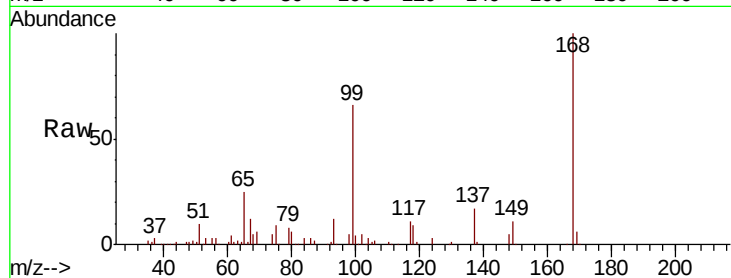
OK-01-112818RE

Tot Ion:168 Resp: 212581

Ion Ratio Lower Upper

168 100

99 66.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

80000

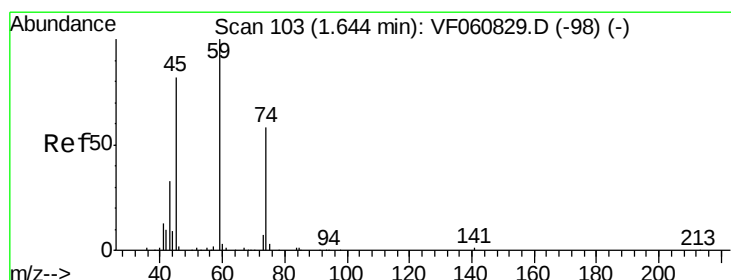
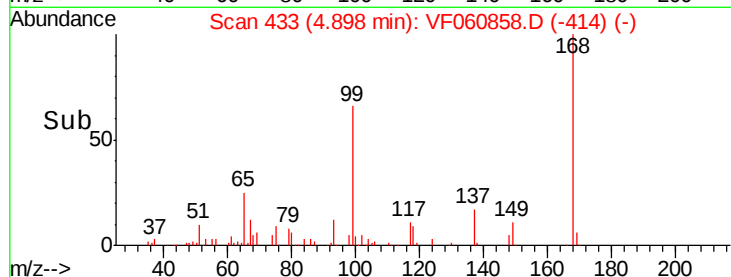
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.068 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060858.D

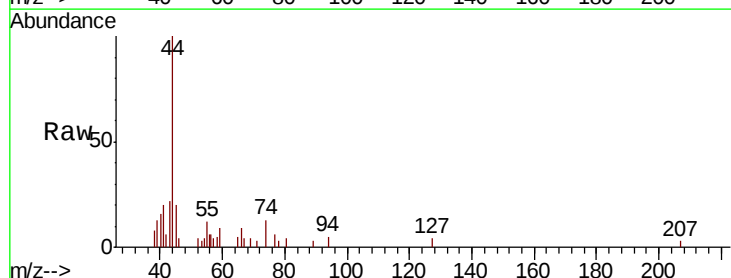
Acq: 28 Nov 2018 16:09

Tgt Ion: 74 Resp: 636

Ion Ratio Lower Upper

74 100

45 151.0 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.64

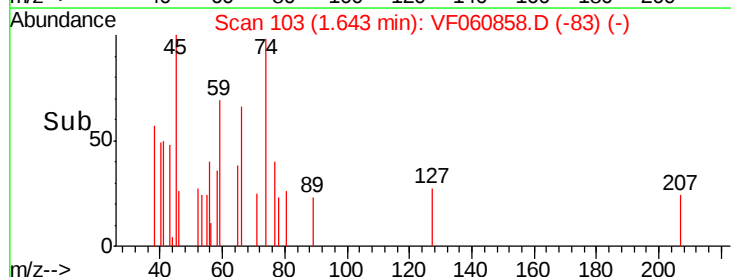
600

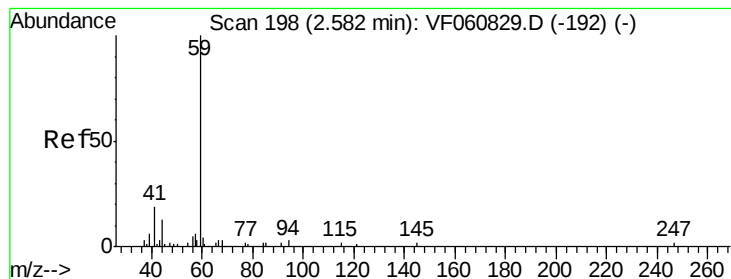
400

200

0

Time--> 1.60 1.65 1.70



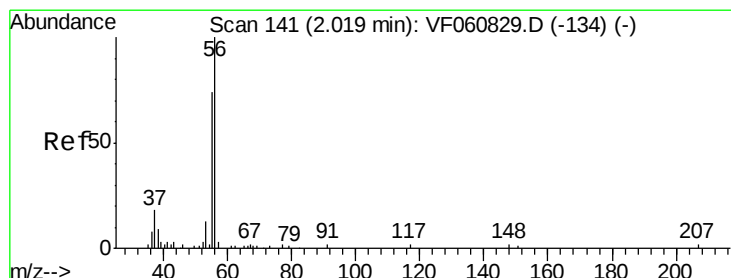
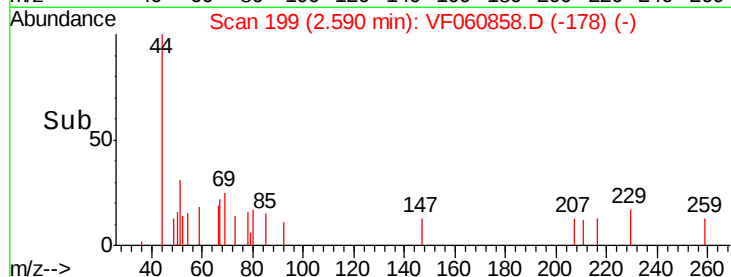
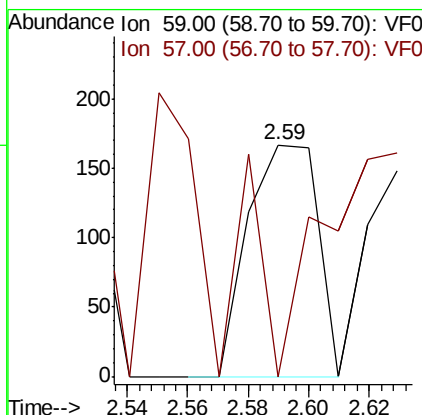
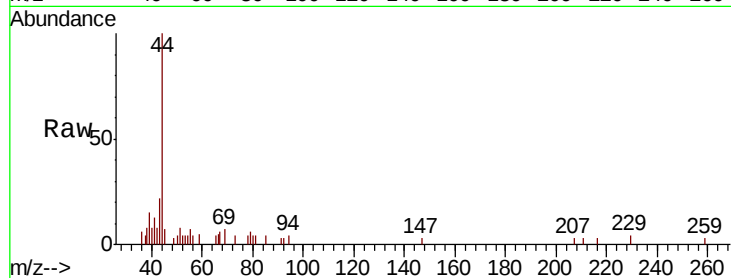


#11

Tert butyl alcohol
 Concen: 2.601 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF060858.D
 Acq: 28 Nov 2018 16:09

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-112818RE

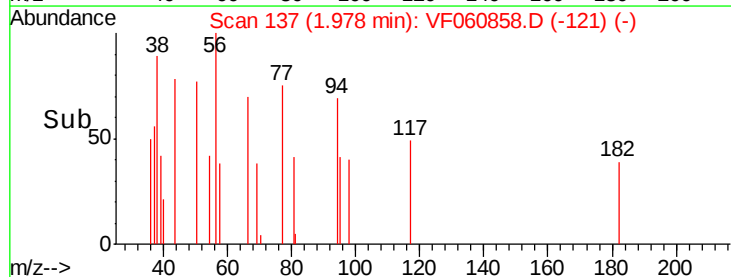
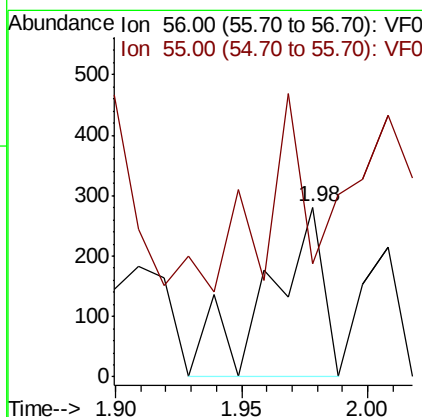
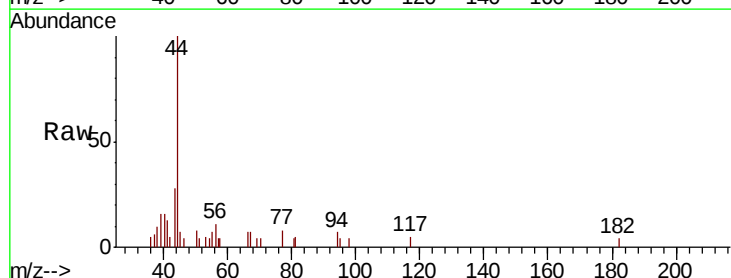
Tot Ion: 59 Resp: 267
 Ion Ratio Lower Upper
 59 100
 57 0.0 12.7 19.1#

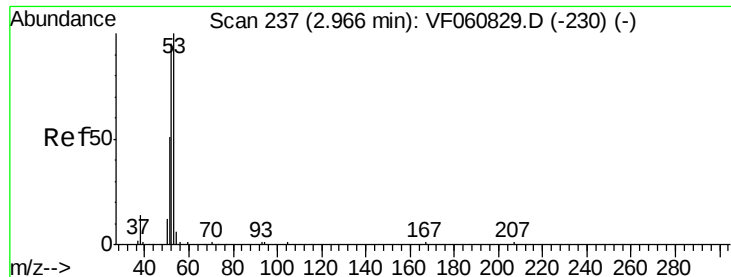


#13

Acrolein
 Concen: 4.421 ug/l
 RT: 1.98 min Scan# 137
 Delta R.T. -0.04 min
 Lab File: VF060858.D
 Acq: 28 Nov 2018 16:09

Tgt Ion: 56 Resp: 430
 Ion Ratio Lower Upper
 56 100
 55 66.9 61.2 91.8





#15

Acrylonitrile

Concen: 1.477 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.02 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

OK-01-112818RE

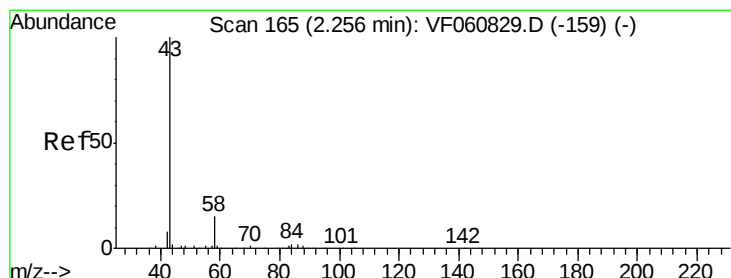
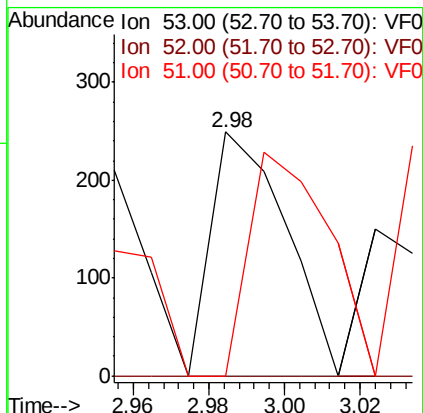
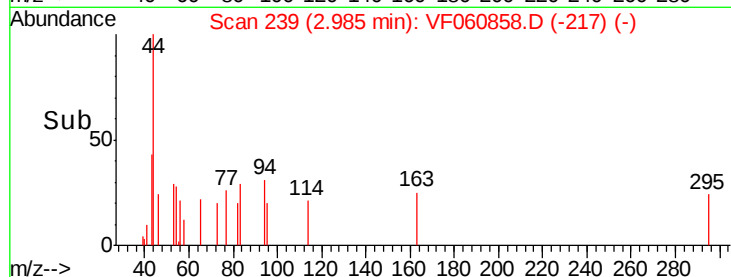
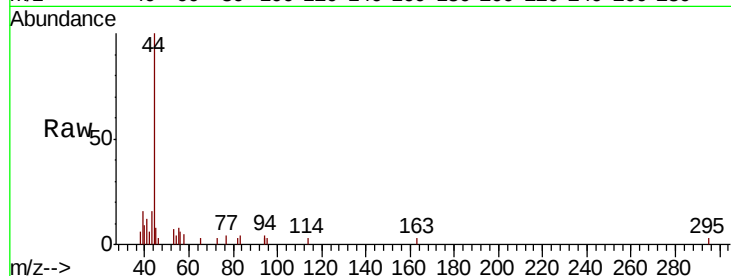
Tot Ion: 53 Resp: 340

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 42.068 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060858.D

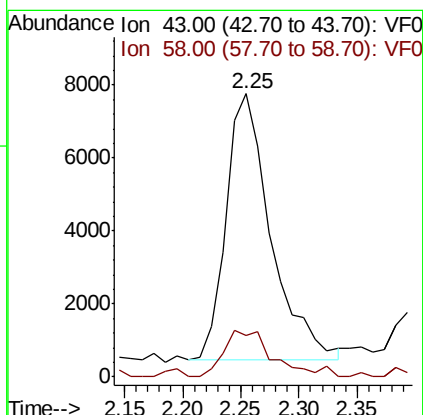
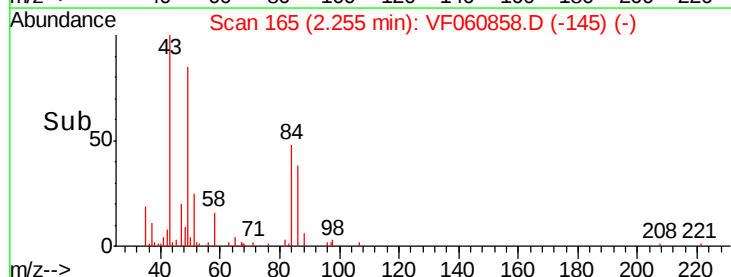
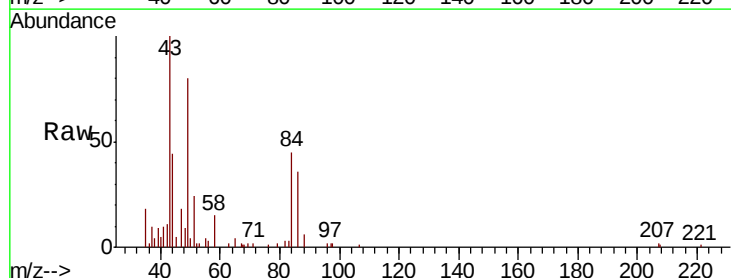
Acq: 28 Nov 2018 16:09

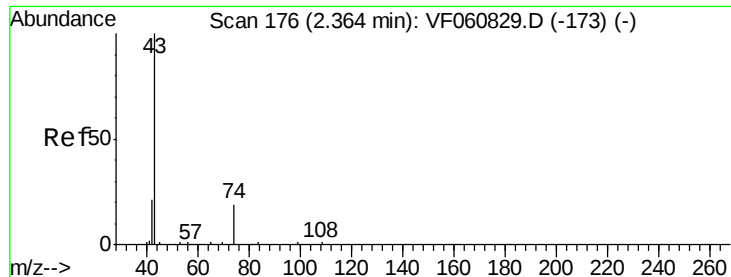
Tgt Ion: 43 Resp: 19427

Ion Ratio Lower Upper

43 100

58 14.8 11.4 17.2

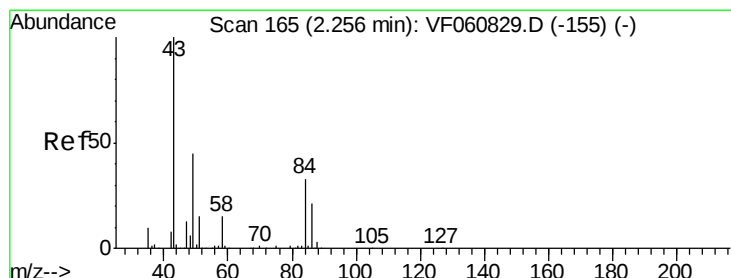
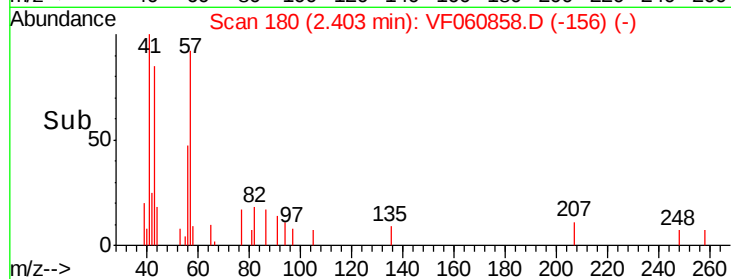
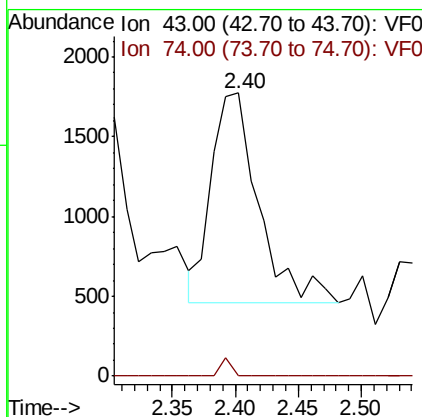
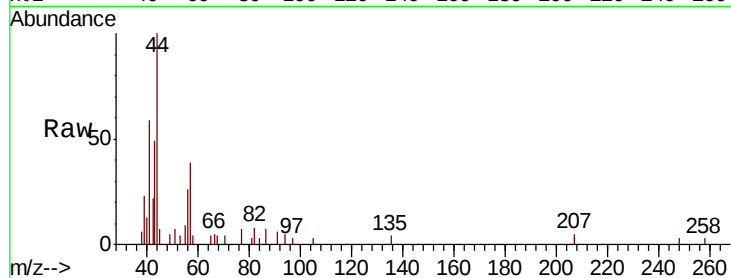




#18
Methyl Acetate
Concen: 2.832 ug/l
RT: 2.40 min Scan# 180
Delta R.T. 0.04 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

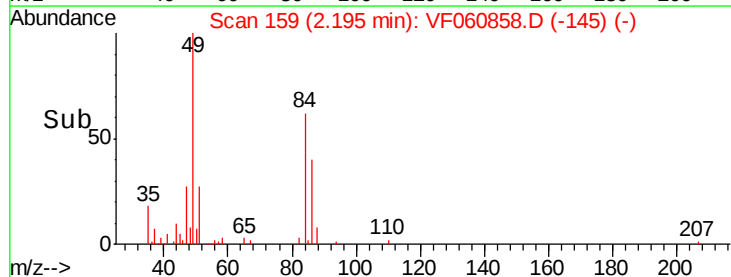
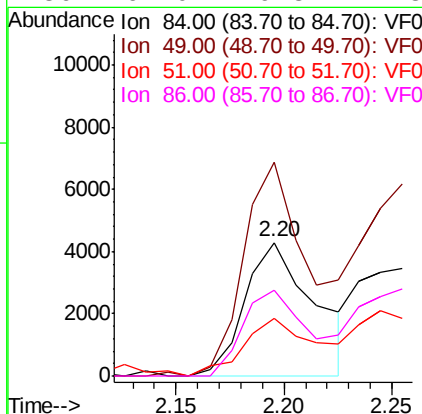
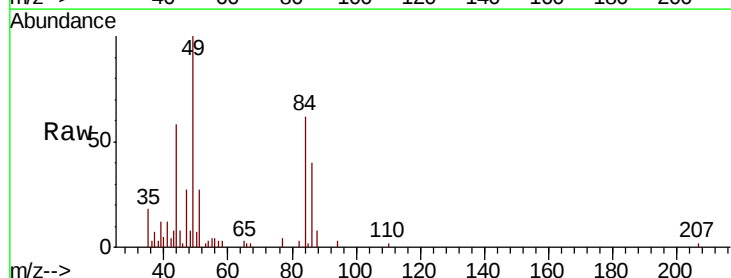
Instrument :
MSVOA_F
ClientSampleId :
OK-01-112818RE

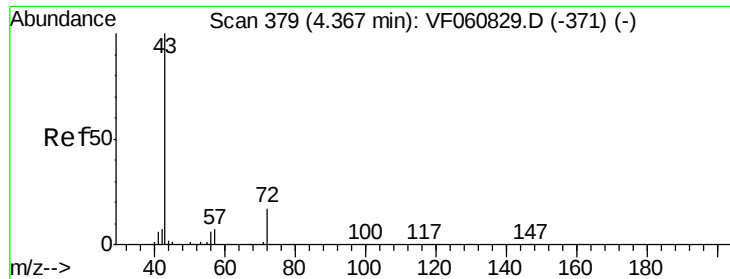
Tot Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 5.628 ug/l
RT: 2.20 min Scan# 159
Delta R.T. -0.06 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

Tgt Ion: 84 Resp: 9535
Ion Ratio Lower Upper
84 100
49 160.4 111.3 166.9
51 42.9 38.0 57.0
86 64.0 49.8 74.8

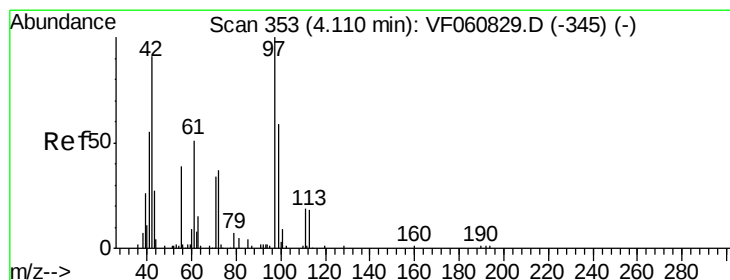
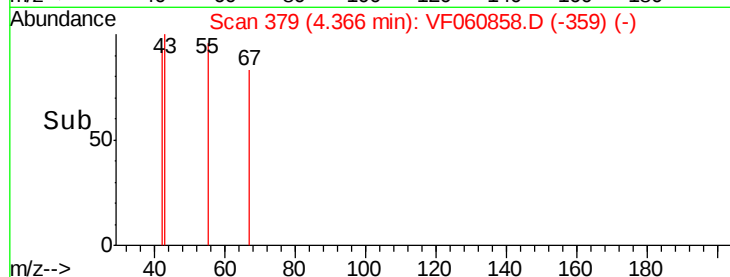
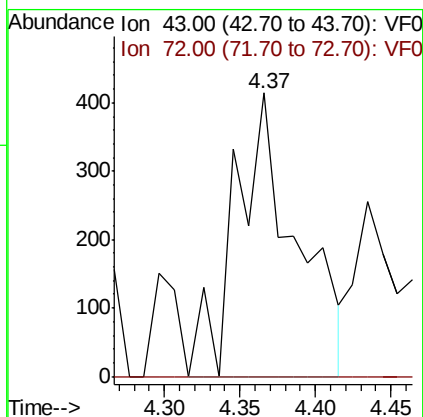
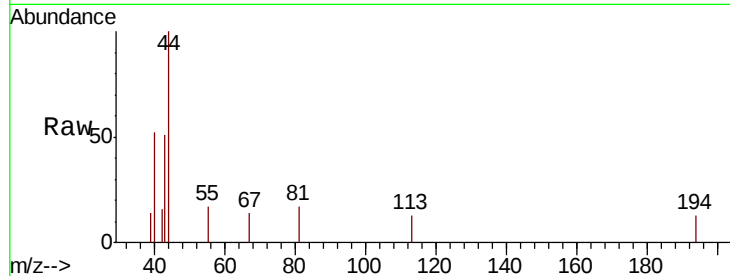




#25
2-Butanone
Concen: 1.456 ug/l
RT: 4.37 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

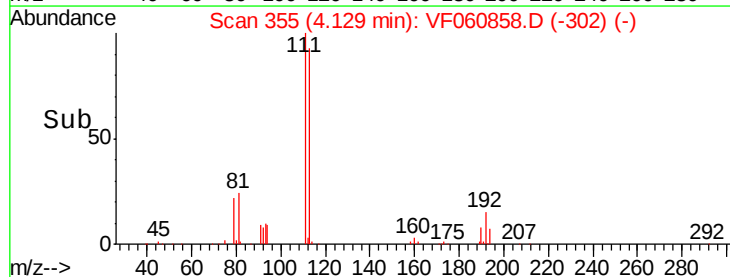
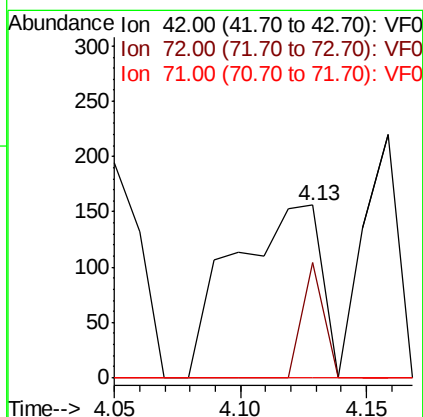
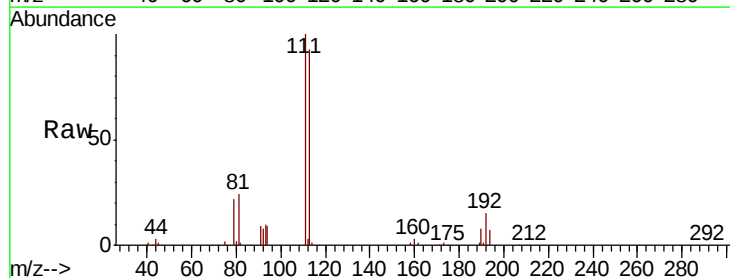
Instrument :
MSVOA_F
ClientSampleId :
OK-01-112818RE

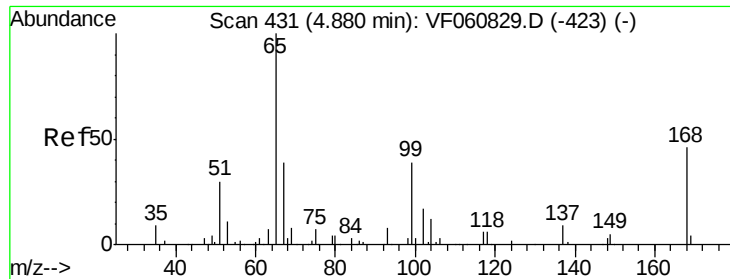
Tot Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#29
Tetrahydrofuran
Concen: 1.116 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 16.4 31.9 47.9#
71 0.0 28.7 43.1#





#33

1,2-Dichloroethane-d4

Concen: 53.368 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

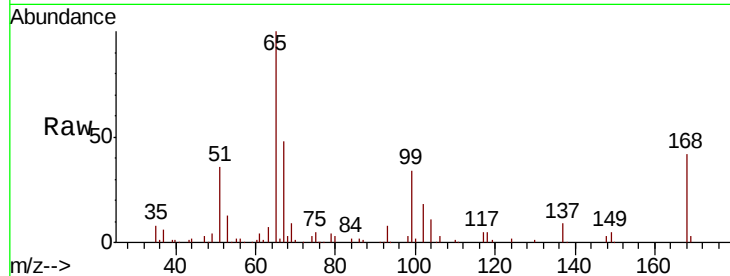
OK-01-112818RE

Tot Ion: 65 Resp: 133647

Ion Ratio Lower Upper

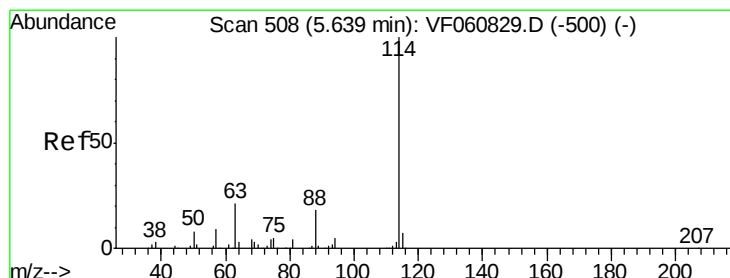
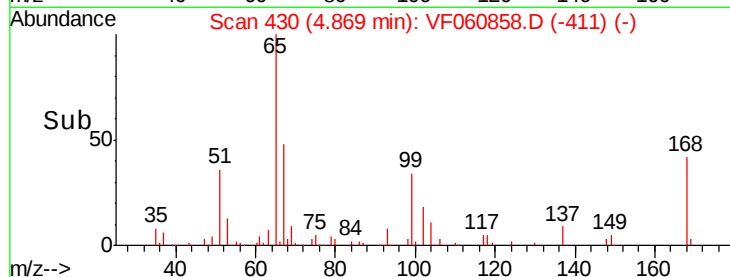
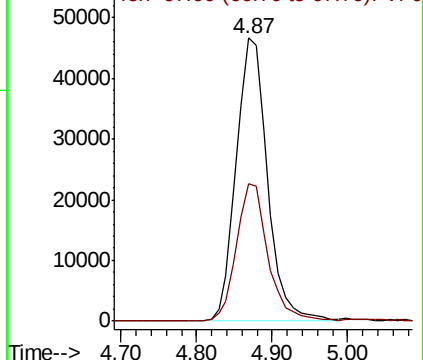
65 100

67 48.4 0.0 96.4



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: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

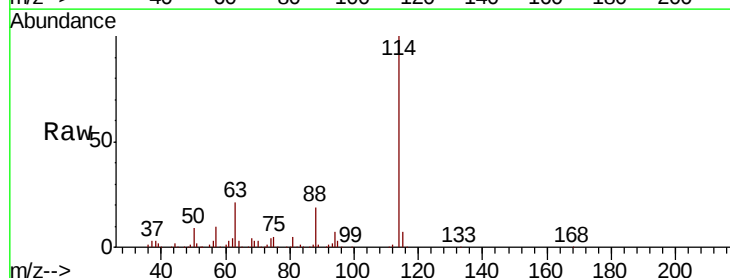
Tgt Ion: 114 Resp: 363022

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

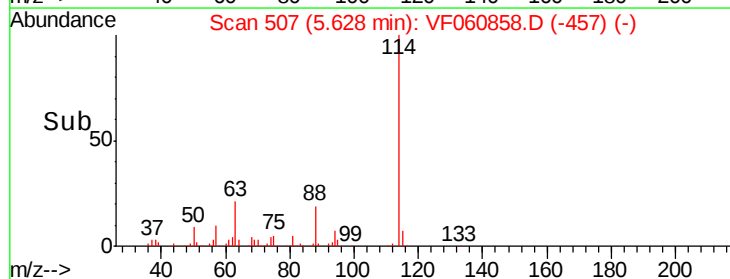
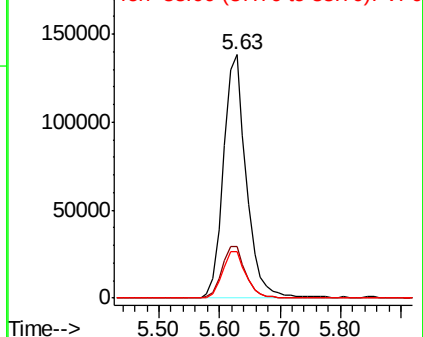
88 19.4 0.0 36.6

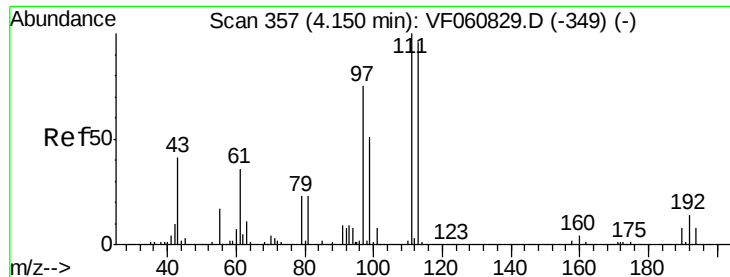


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.857 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

Instrument :

MSVOA_F

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OK-01-112818RE

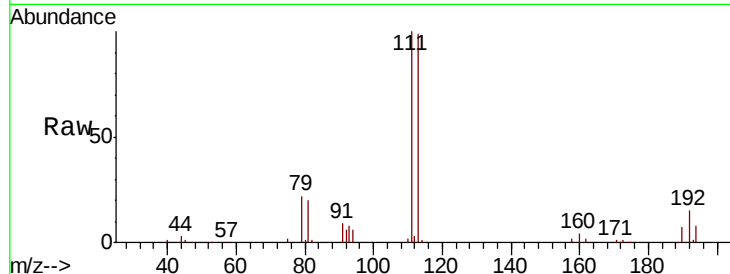
Tot Ion:113 Resp: 146465

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.6

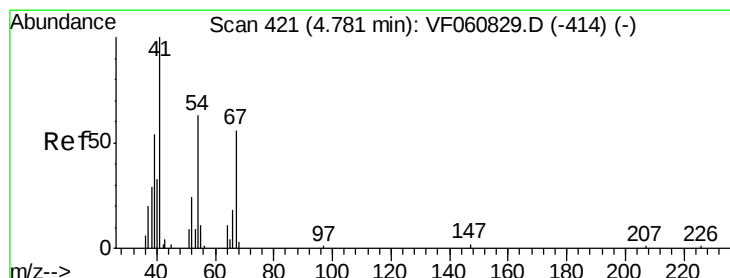
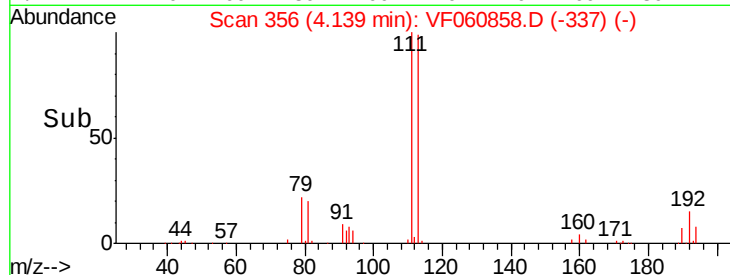
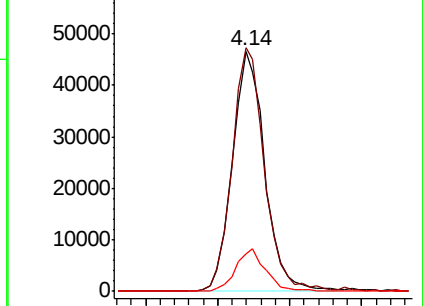
192 15.5 12.3 18.5



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.75 min Scan# 418

Delta R.T. -0.03 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

Tgt Ion: 41 Resp: 335

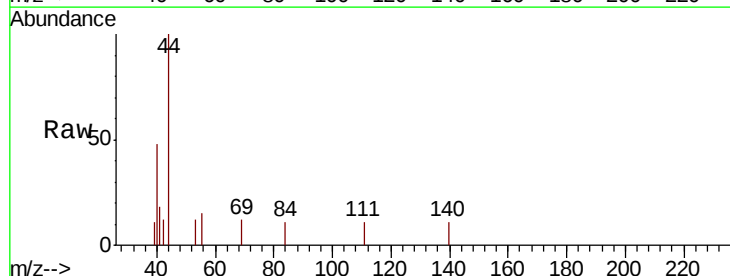
Ion Ratio Lower Upper

41 100

39 60.0 53.0 79.6

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

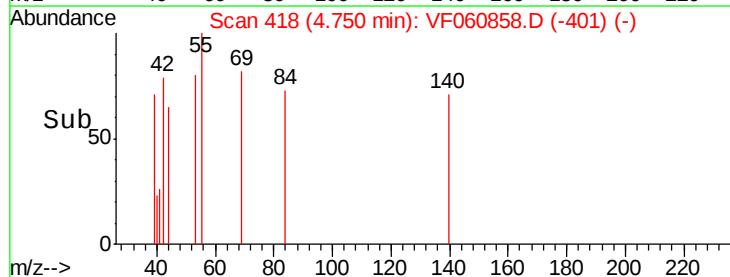
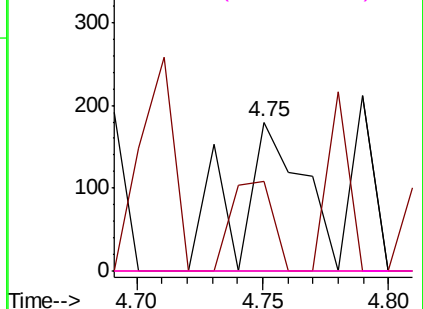


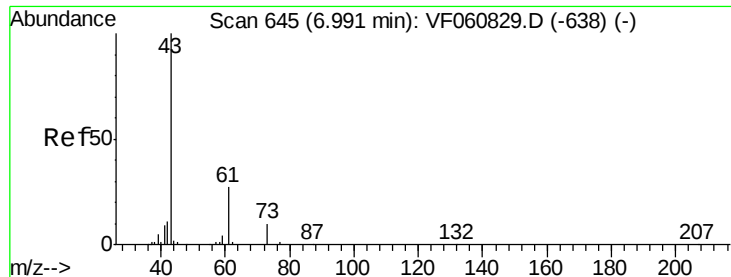
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



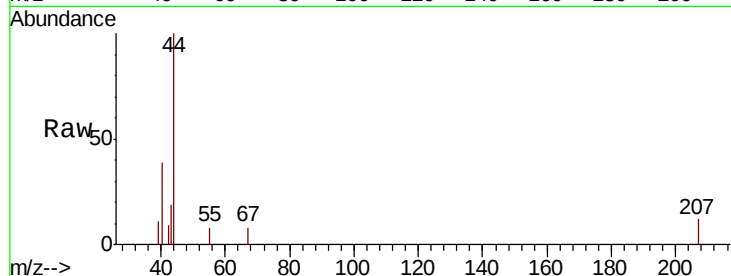


#43

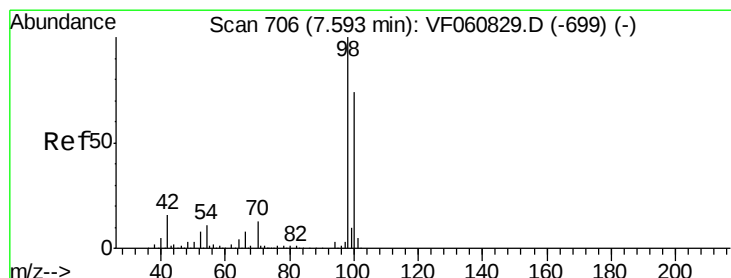
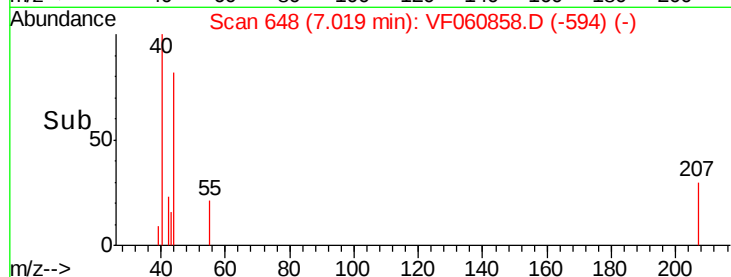
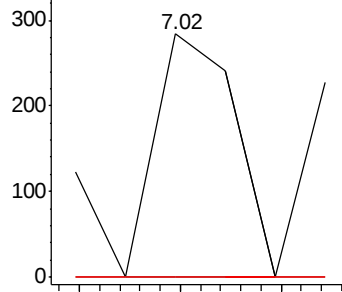
Isopropyl Acetate
 Concen: Below Cal
 RT: 7.02 min Scan# 648
 Delta R.T. 0.03 min
 Lab File: VF060858.D
 Acq: 28 Nov 2018 16:09

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-112818RE

Tot Ion: 43 Resp: 311
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#



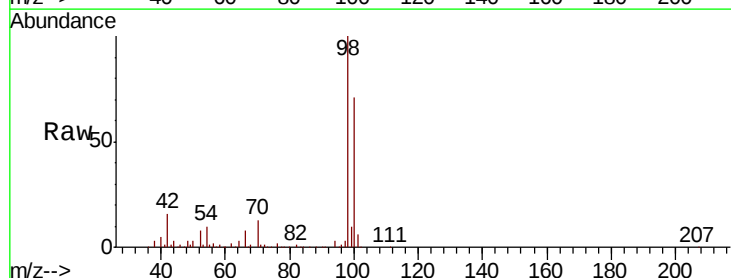
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



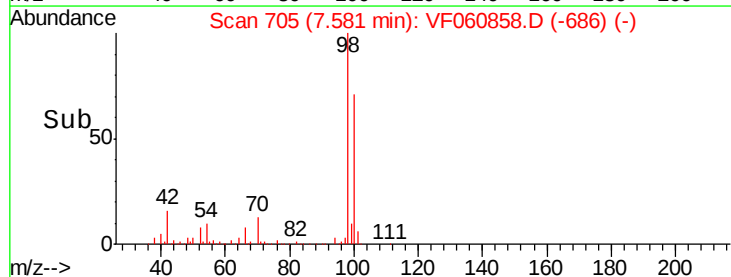
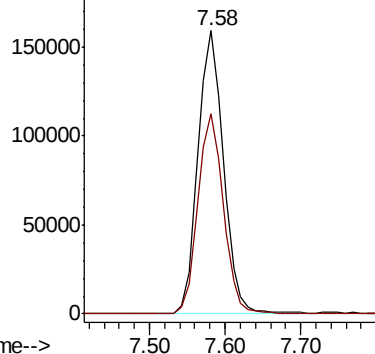
#50

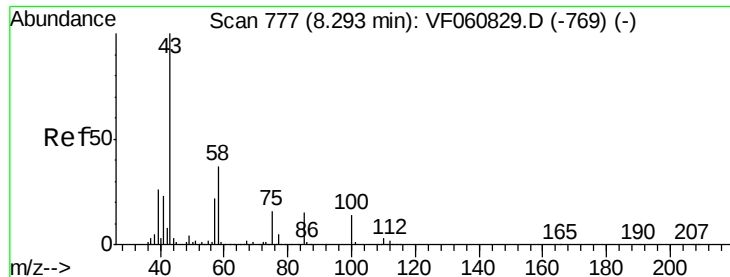
Toluene-d8
 Concen: 43.825 ug/l
 RT: 7.58 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VF060858.D
 Acq: 28 Nov 2018 16:09

Tgt Ion: 98 Resp: 371784
 Ion Ratio Lower Upper
 98 100
 100 70.8 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.460 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

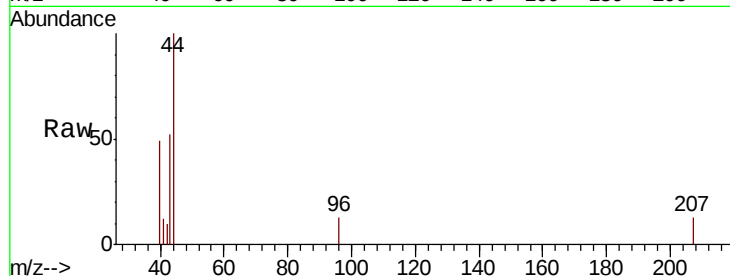
OK-01-112818RE

Tot Ion: 43 Resp: 2203

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

600

500

400

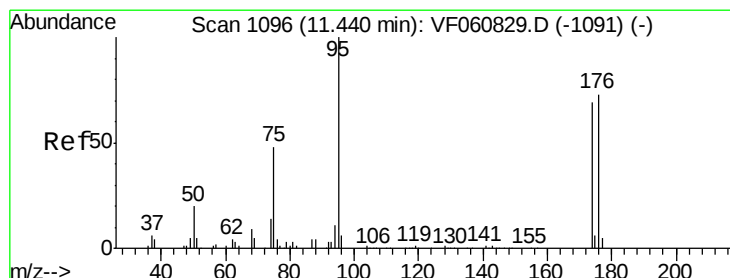
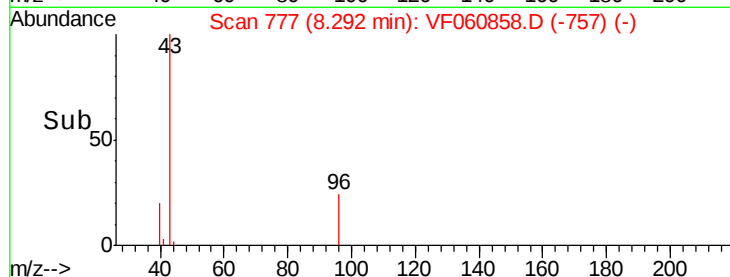
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.285 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060858.D

Acq: 28 Nov 2018 16:09

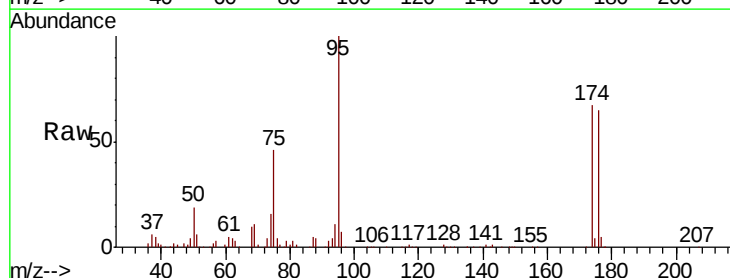
Tgt Ion: 95 Resp: 182311

Ion Ratio Lower Upper

95 100

174 67.0 0.0 138.2

176 64.9 0.0 146.2



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

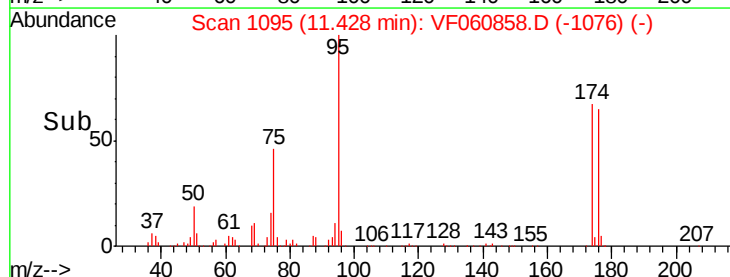
11.43

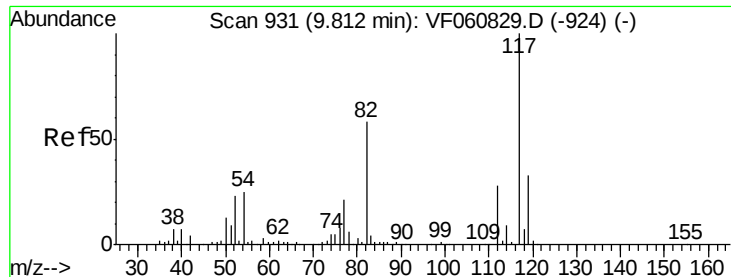
100000

50000

0

Time-->

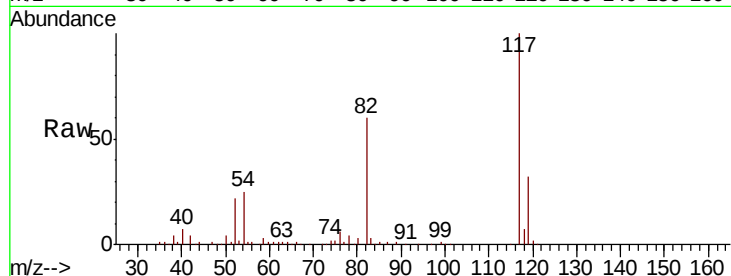




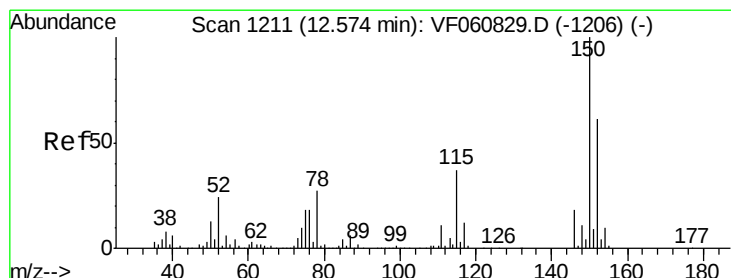
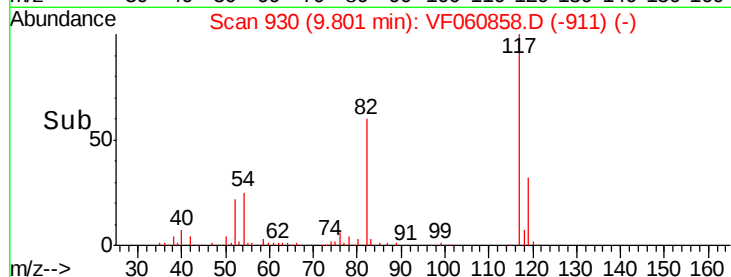
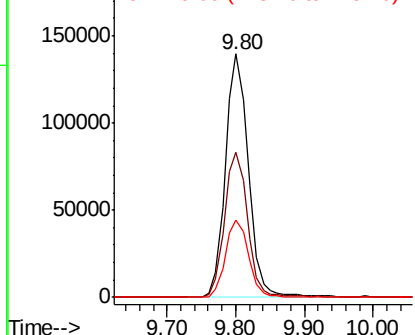
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
OK-01-112818RE

Tot Ion:117 Resp: 323773
Ion Ratio Lower Upper
117 100
82 59.5 46.6 69.8
119 31.7 26.4 39.6

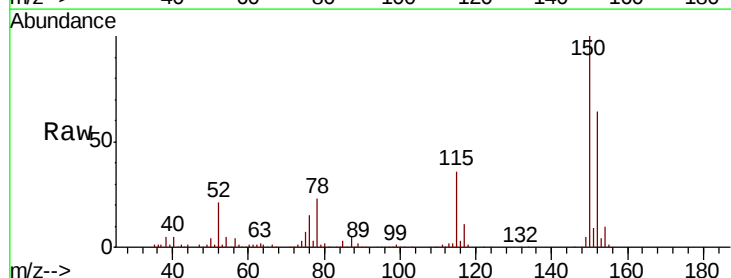


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

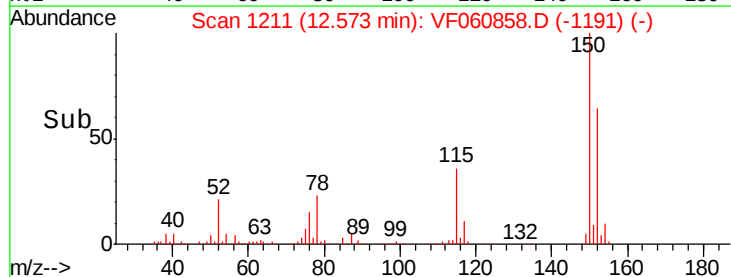
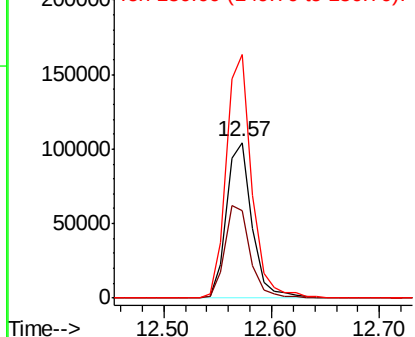


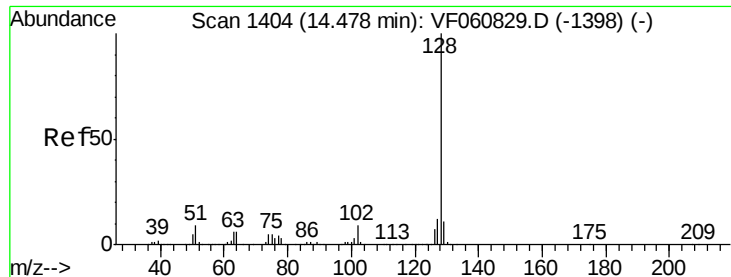
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

Tgt Ion:152 Resp: 172220
Ion Ratio Lower Upper
152 100
115 56.1 30.1 90.5
150 156.3 0.0 327.6



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

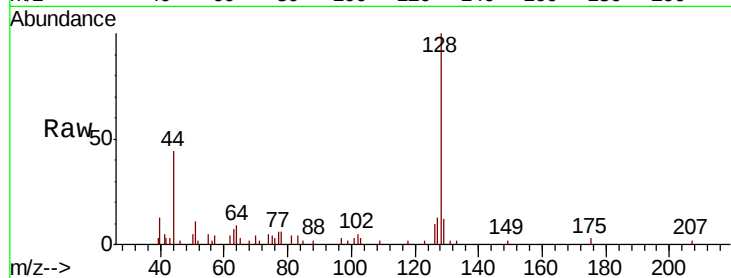




#95
Naphthalene
Concen: Below Cal
RT: 14.48 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF060858.D
Acq: 28 Nov 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
OK-01-112818RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	11.6	9.1	13.7



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

