

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061027.D
 Acq On : 14 Dec 2018 18:37
 Operator : VA/AP
 Sample : J6403-37RE
 Misc : 5.53g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:08:13 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	4.86	168	258154	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	426129	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	346609	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	136986	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	127882	42.05	ug/l	-0.04
Spiked Amount			Recovery	=	84.10%	
35) Dibromofluoromethane	4.11	113	152652	45.16	ug/l	-0.04
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	7.55	98	366536	36.81	ug/l	-0.04
Spiked Amount			Recovery	=	73.62%	
62) 4-Bromofluorobenzene	11.41	95	147035	32.49	ug/l	-0.03
Spiked Amount			Recovery	=	64.98%	

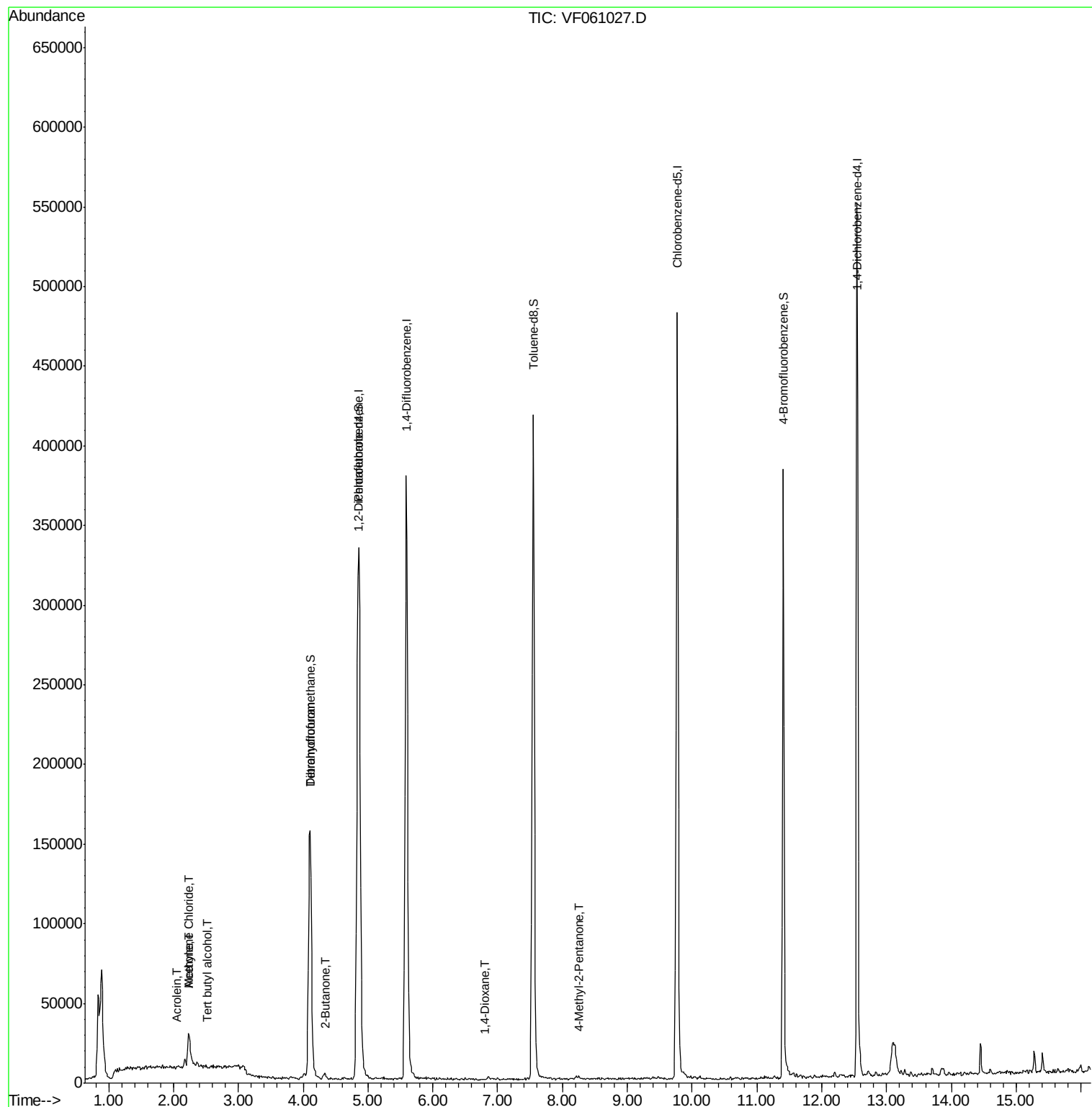
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.52	59	125	1.003	ug/l #	62
13) Acrolein	2.05	56	926	7.840	ug/l	91
16) Acetone	2.23	43	34925	62.277	ug/l	94
20) Methylene Chloride	2.24	84	5543	2.694	ug/l #	93
25) 2-Butanone	4.34	43	7462	7.693	ug/l #	88
29) Tetrahydrofuran	4.10	42	741	1.802	ug/l #	44
41) Methacrylonitrile	4.74	41	582	Below Cal	#	45
43) Isopropyl Acetate	6.91	43	1119	Below Cal	#	49
49) 1,4-Dioxane	6.80	88	80	6.287	ug/l #	17
51) 4-Methyl-2-Pentanone	8.25	43	1980	1.118	ug/l #	38
95) Naphthalene	14.46	128	13294	Below Cal		98

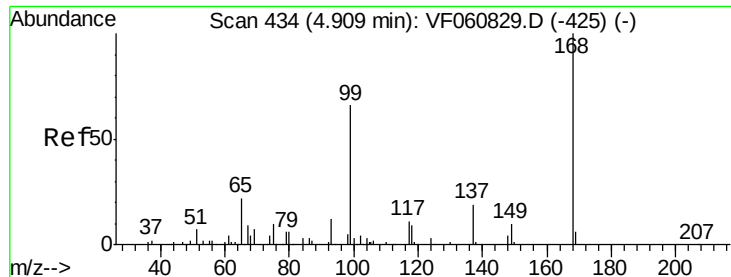
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
Data File : VF061027.D
Acq On : 14 Dec 2018 18:37
Operator : VA/AP
Sample : J6403-37RE
Misc : 5.53q/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 15 00:08:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
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: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061027.D

Acq: 14 Dec 2018 18:37

Instrument :

MSVOA_F

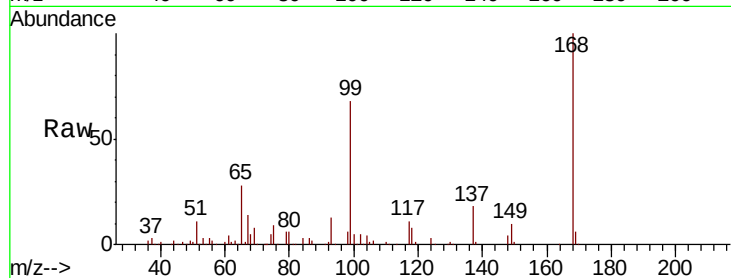
ClientSampleId :

Tot Ion:168 Resp: 258154

Ion Ratio Lower Upper

168 100

99 67.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

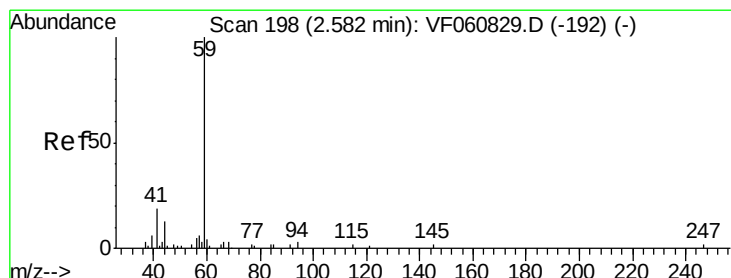
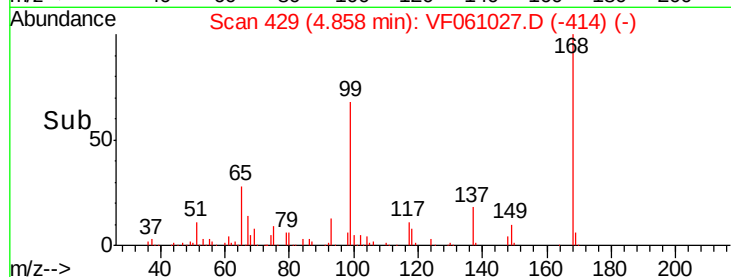
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.003 ug/l

RT: 2.52 min Scan# 192

Delta R.T. -0.06 min

Lab File: VF061027.D

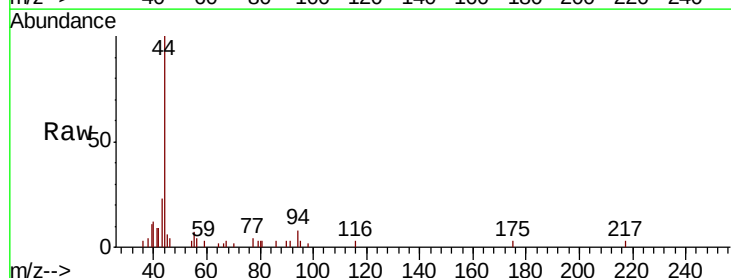
Acq: 14 Dec 2018 18:37

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

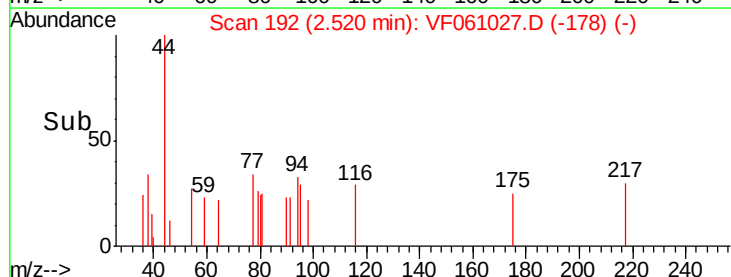
300

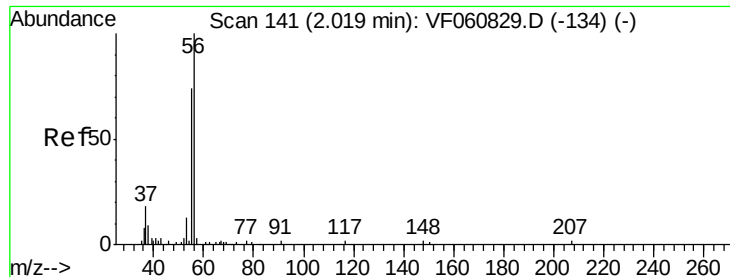
200

100

0

Time-->





#13

Acrolein

Concen: 7.840 ug/l

RT: 2.05 min Scan# 144

Delta R.T. 0.03 min

Lab File: VF061027.D

Acq: 14 Dec 2018 18:37

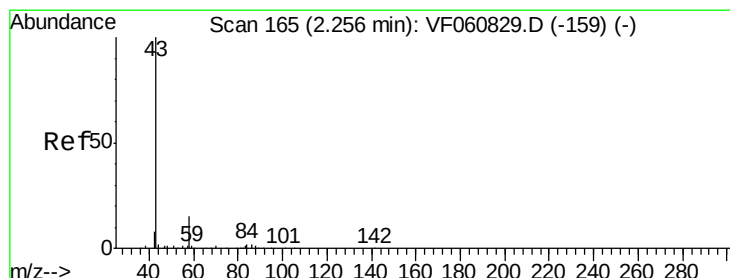
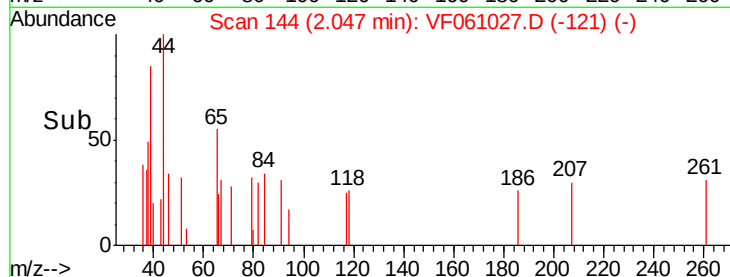
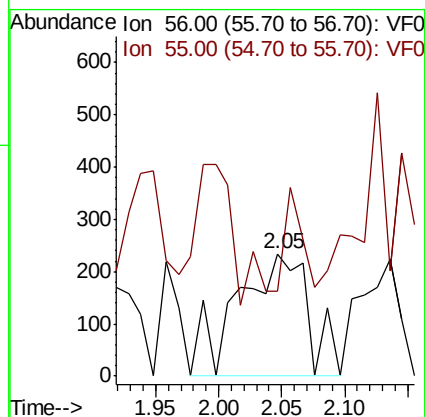
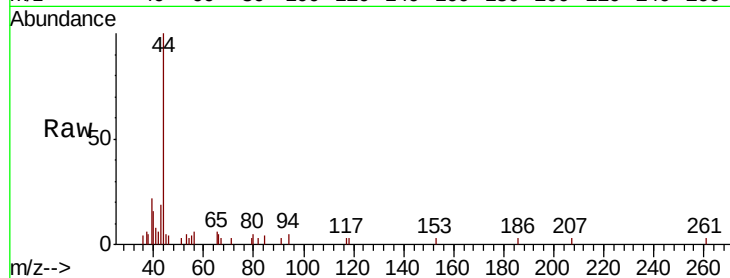
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 926

Ion Ratio Lower Upper

56 100

55 68.9 61.2 91.8



#16

Acetone

Concen: 62.277 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061027.D

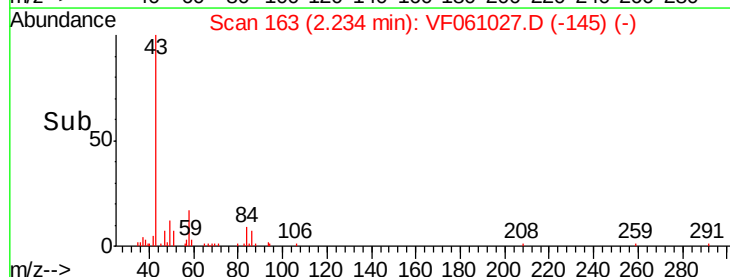
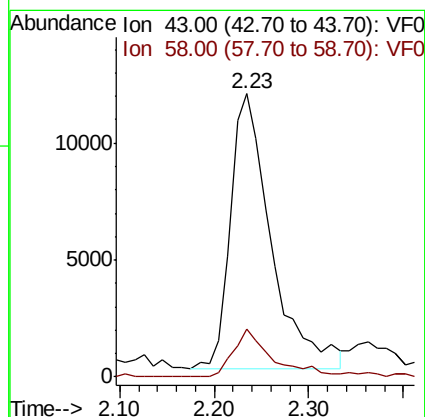
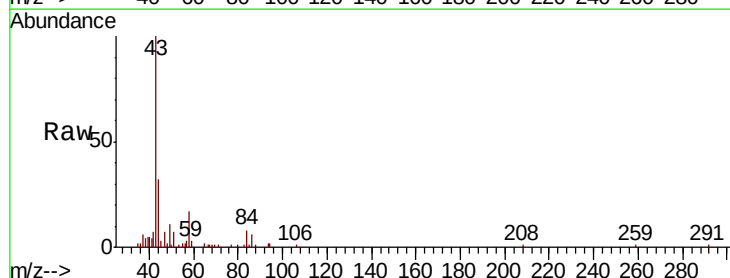
Acq: 14 Dec 2018 18:37

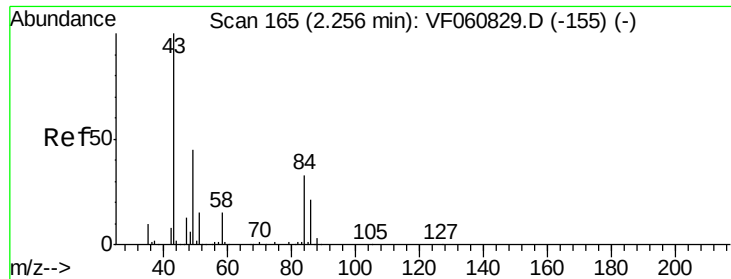
Tgt Ion: 43 Resp: 34925

Ion Ratio Lower Upper

43 100

58 16.9 11.4 17.2

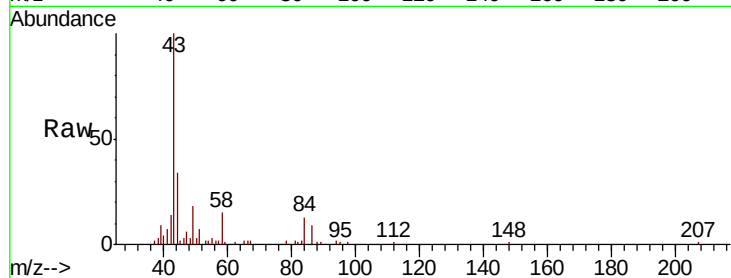




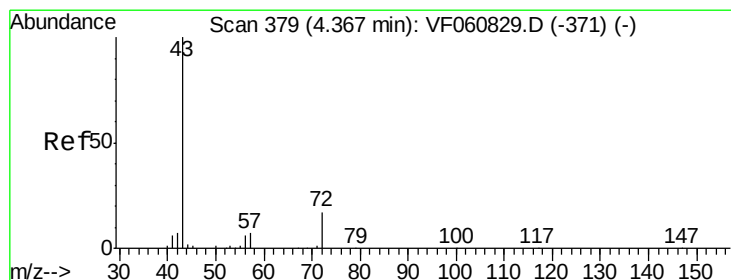
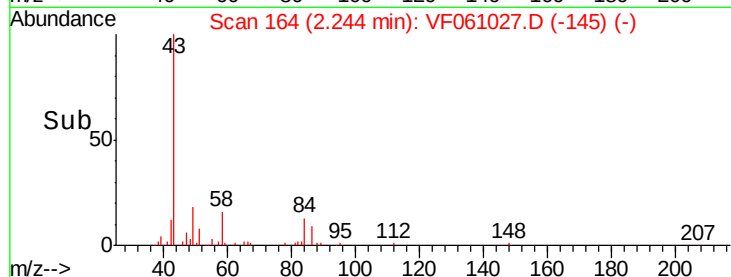
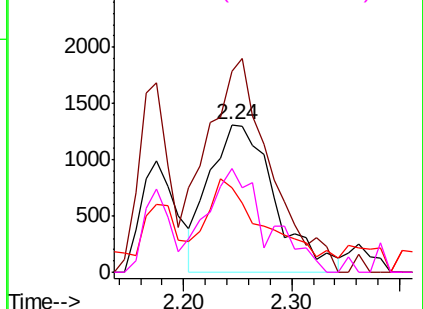
#20
Methylene Chloride
Concen: 2.694 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 84 Resp: 5543
Ion Ratio Lower Upper
84 100
49 136.5 111.3 166.9
51 57.2 38.0 57.0#
86 70.5 49.8 74.8

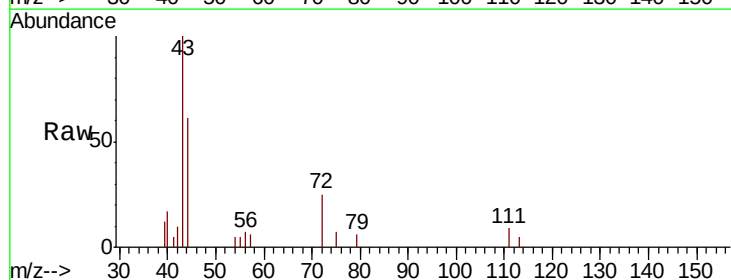


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

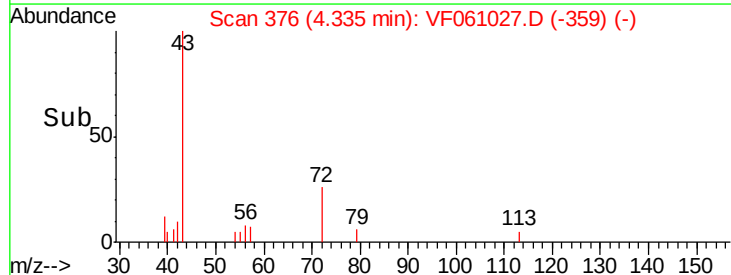
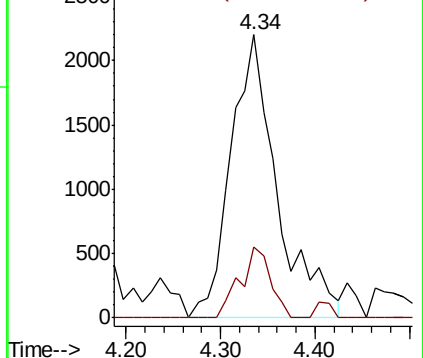


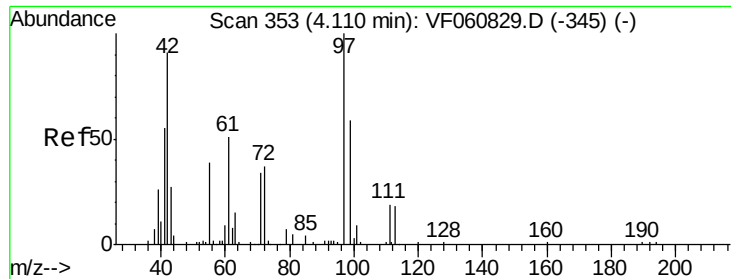
#25
2-Butanone
Concen: 7.693 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Tgt Ion: 43 Resp: 7462
Ion Ratio Lower Upper
43 100
72 24.9 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0

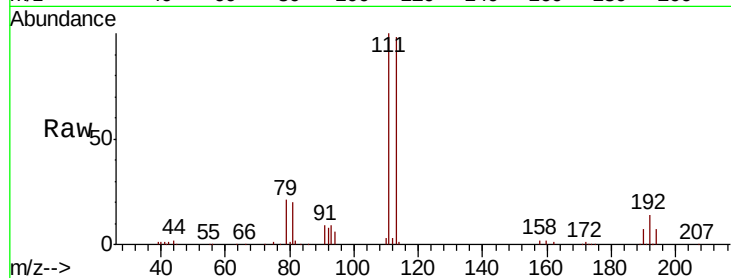




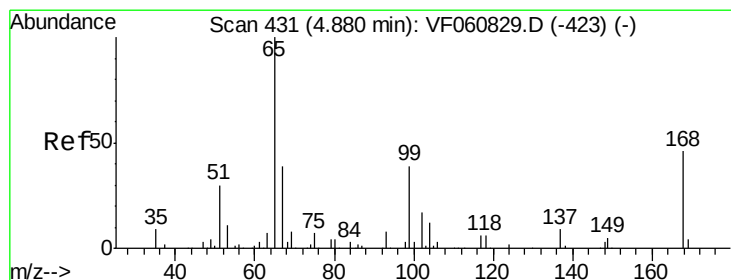
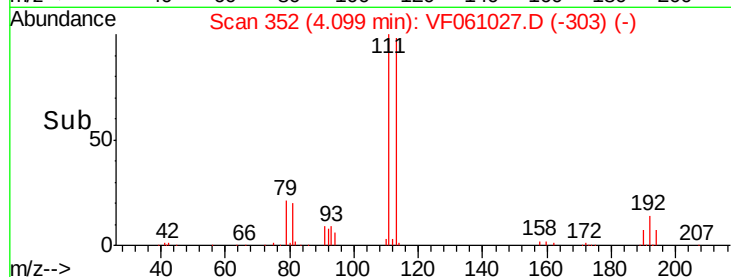
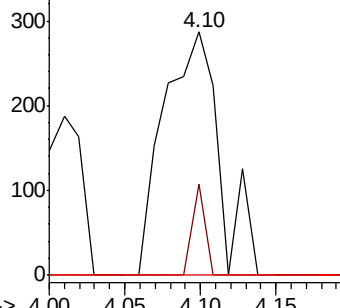
#29
Tetrahydrofuran
Concen: 1.802 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 741
Ion Ratio Lower Upper
42 100
72 8.5 31.9 47.9#
71 0.0 28.7 43.1#

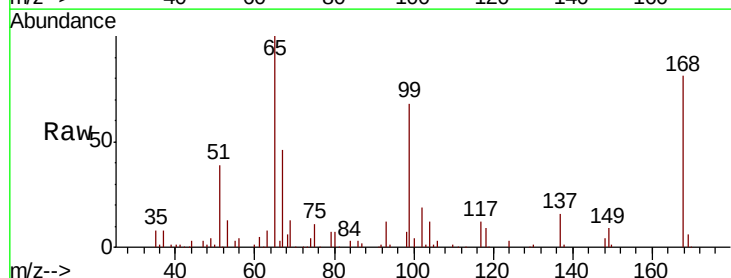


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

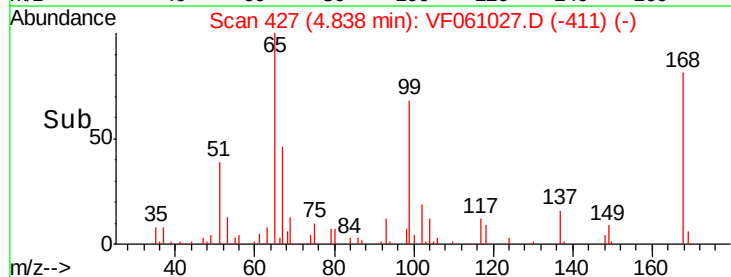
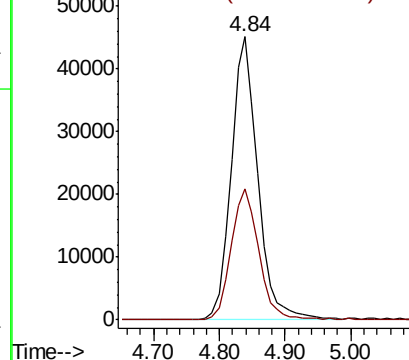


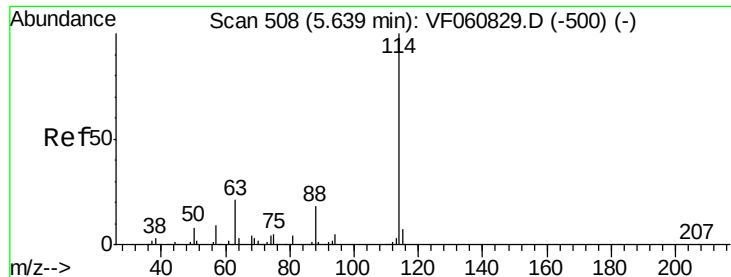
#33
1,2-Dichloroethane-d4
Concen: 42.051 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Tgt Ion: 65 Resp: 127882
Ion Ratio Lower Upper
65 100
67 46.2 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

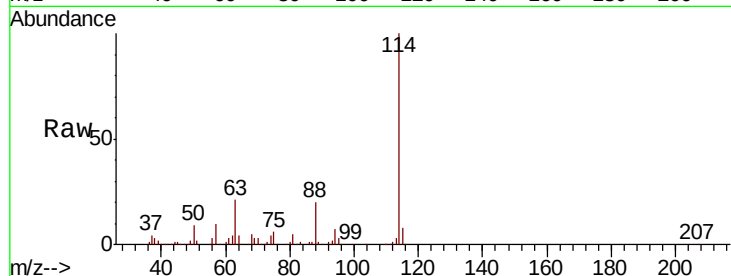




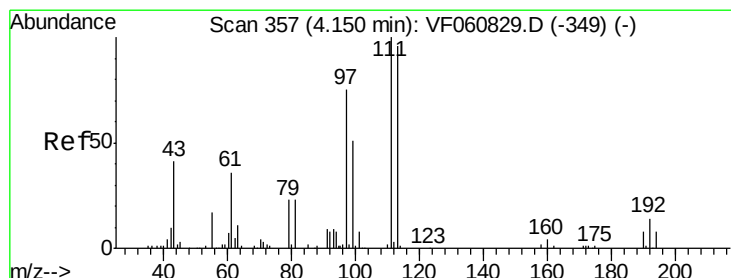
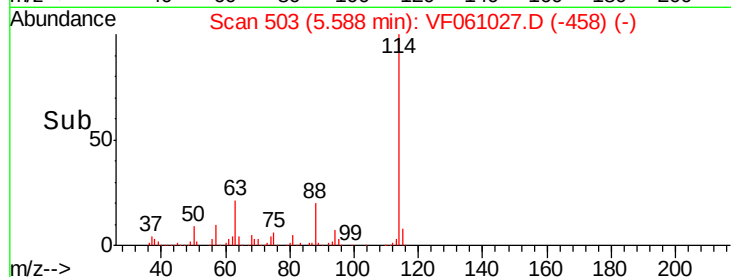
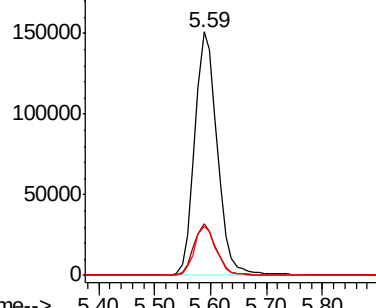
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061027.D
 Acq: 14 Dec 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.6
88	20.3	0.0	36.6

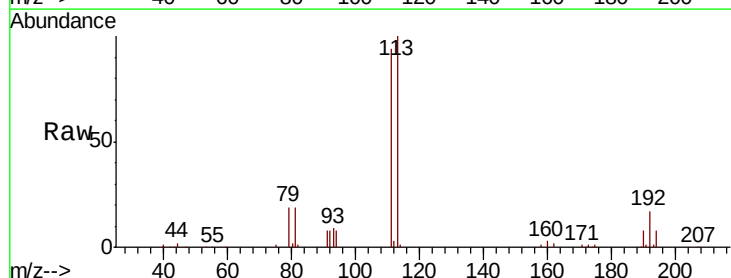


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

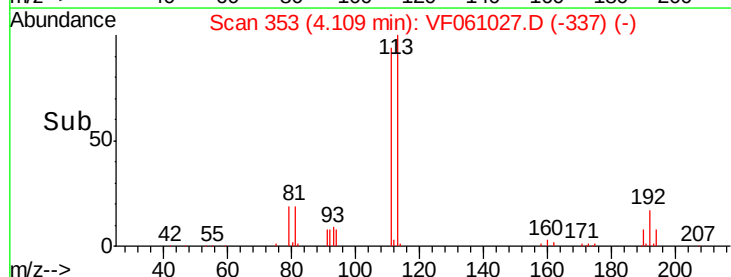
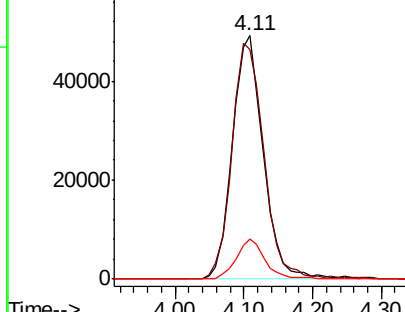


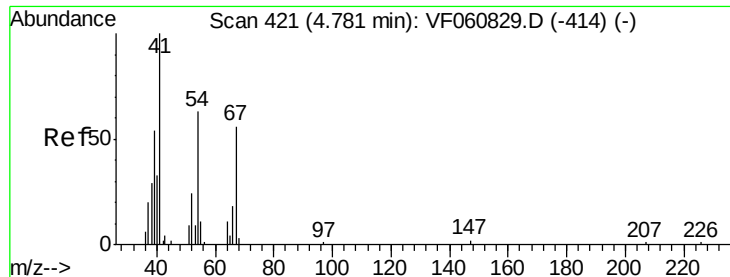
#35
 Dibromofluoromethane
 Concen: 45.155 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF061027.D
 Acq: 14 Dec 2018 18:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.3	83.0	124.6
192	16.6	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: 4.74 min Scan# 417

Delta R.T. -0.04 min

Lab File: VF061027.D

Acq: 14 Dec 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 582

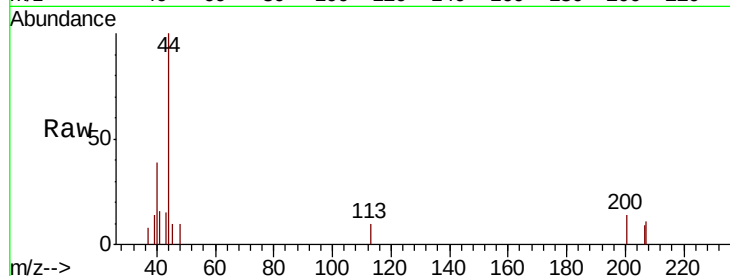
Ion Ratio Lower Upper

41 100

39 86.7 53.0 79.6#

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

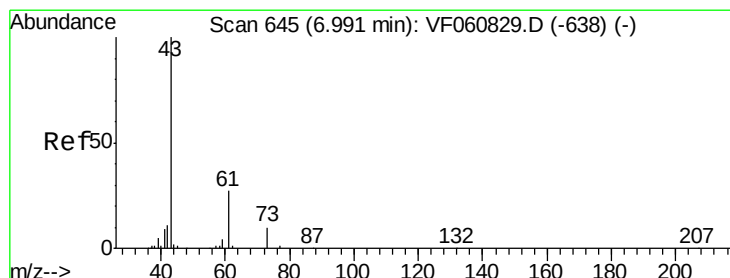
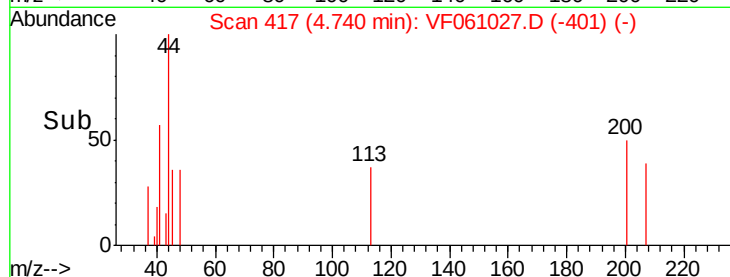
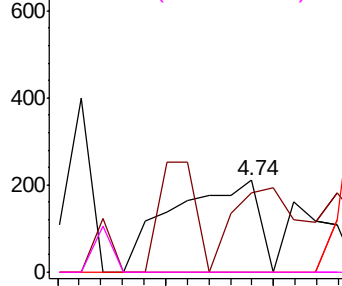


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 6.91 min Scan# 637

Delta R.T. -0.08 min

Lab File: VF061027.D

Acq: 14 Dec 2018 18:37

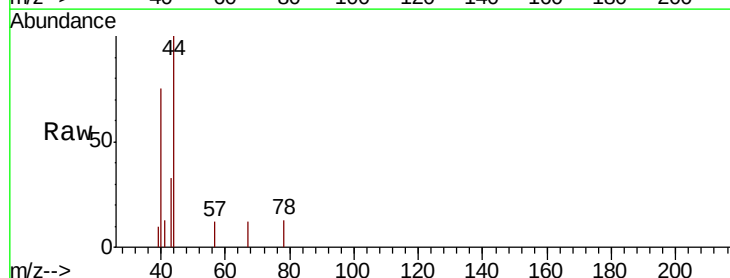
Tgt Ion: 43 Resp: 1119

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

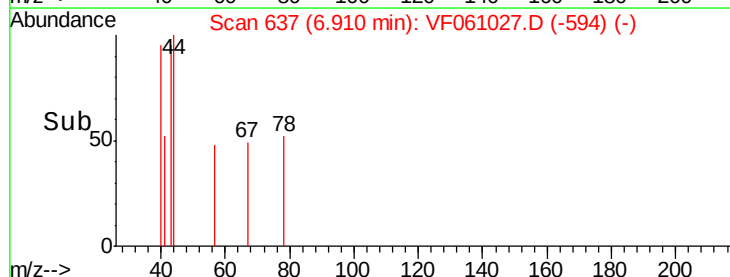
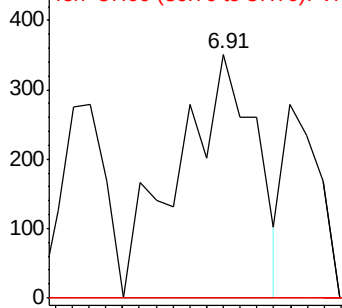
87 0.0 0.2 0.4#

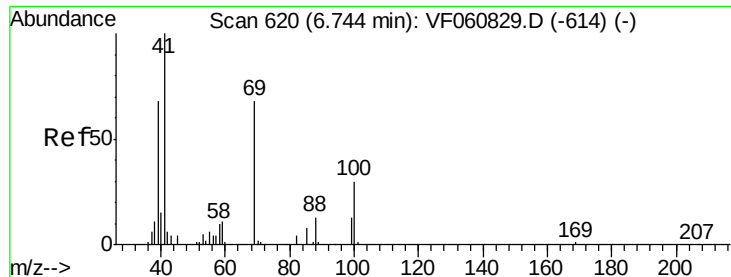


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

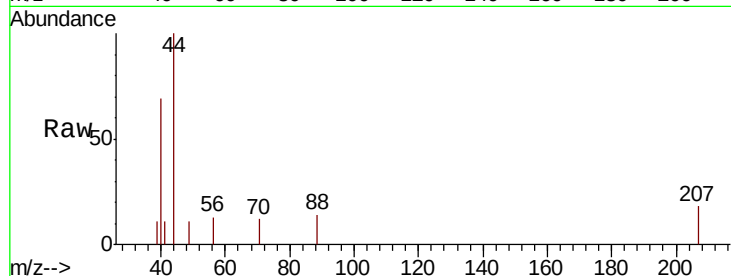




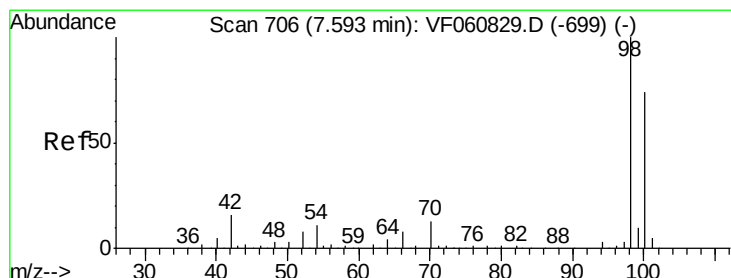
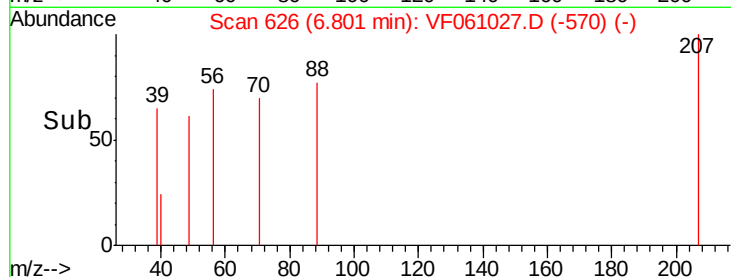
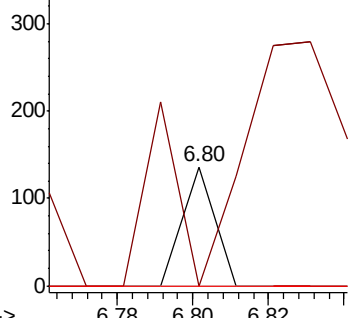
#49
1,4-Dioxane
Concen: 6.287 ug/l
RT: 6.80 min Scan# 626
Delta R.T. 0.06 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 42.0 63.0#
58 0.0 61.8 92.8#

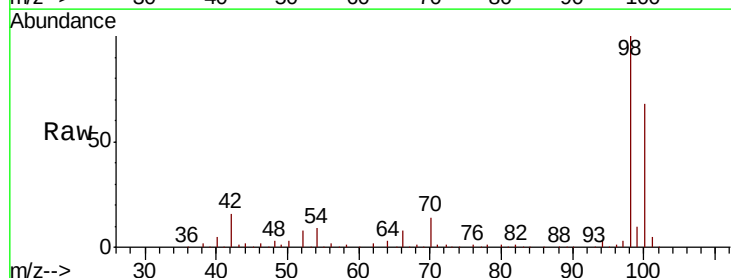


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

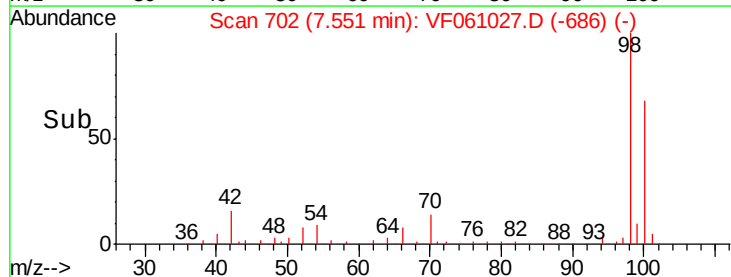
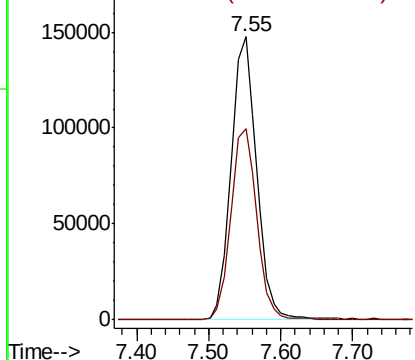


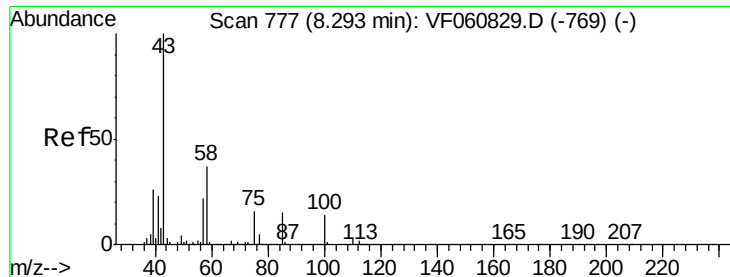
#50
Toluene-d8
Concen: 36.807 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Tgt Ion: 98 Resp: 366536
Ion Ratio Lower Upper
98 100
100 67.7 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: 1.118 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF061027.D

Acq: 14 Dec 2018 18:37

Instrument :

MSVOA_F

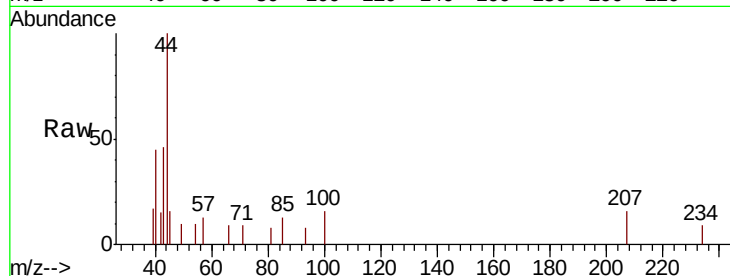
ClientSampleId :

Tot Ion: 43 Resp: 1980

Ion Ratio Lower Upper

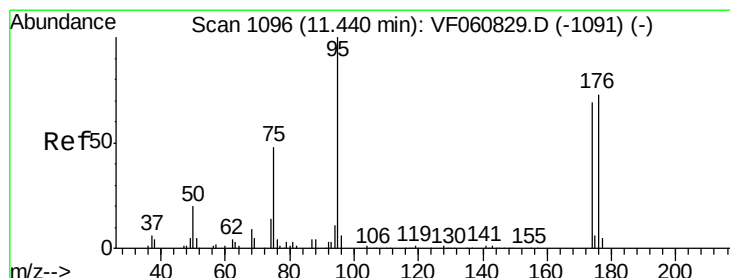
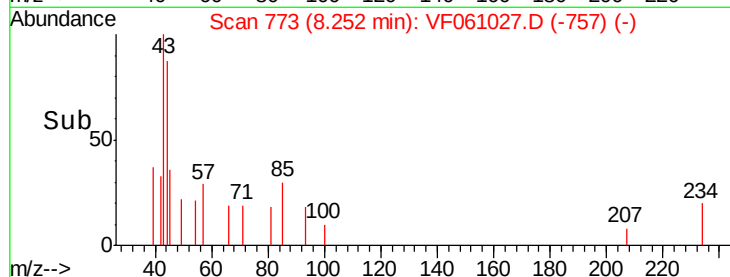
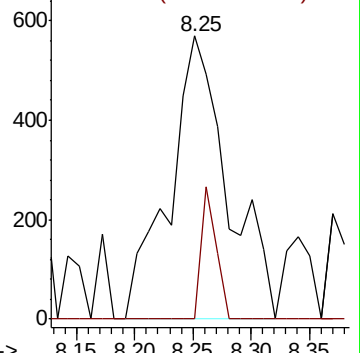
43 100

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



#62

4-Bromofluorobenzene

Concen: 32.488 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061027.D

Acq: 14 Dec 2018 18:37

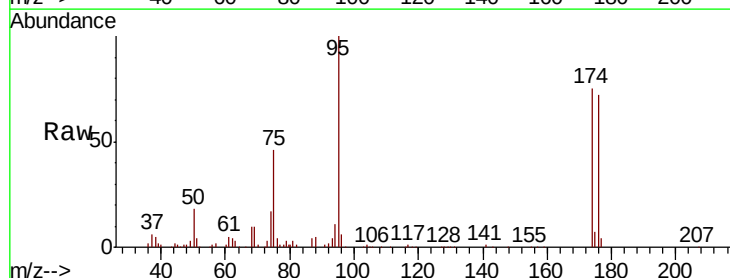
Tgt Ion: 95 Resp: 147035

Ion Ratio Lower Upper

95 100

174 75.2 0.0 138.2

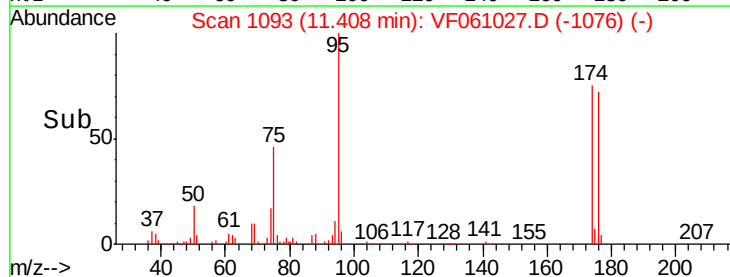
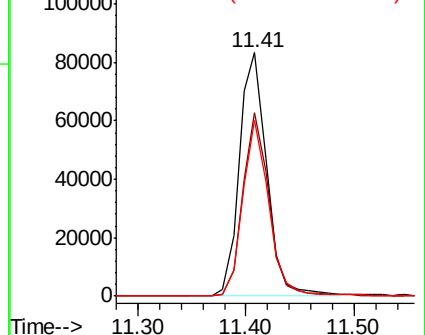
176 72.1 0.0 146.2

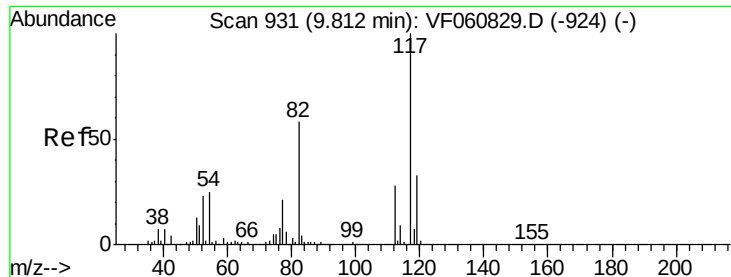


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

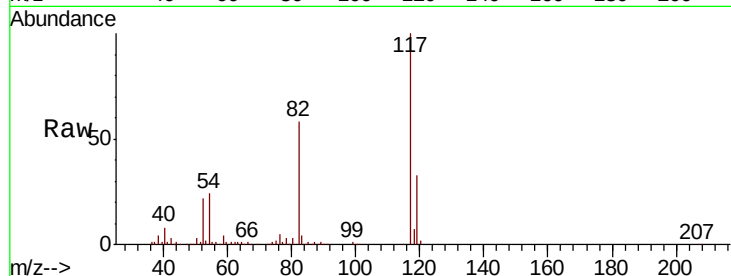




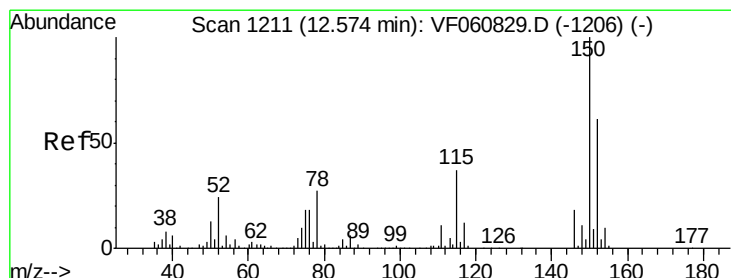
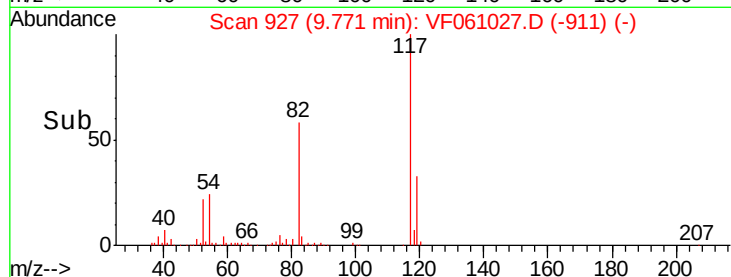
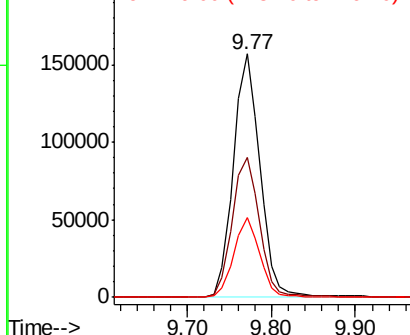
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 346609
Ion Ratio Lower Upper
117 100
82 57.5 46.6 69.8
119 32.8 26.4 39.6

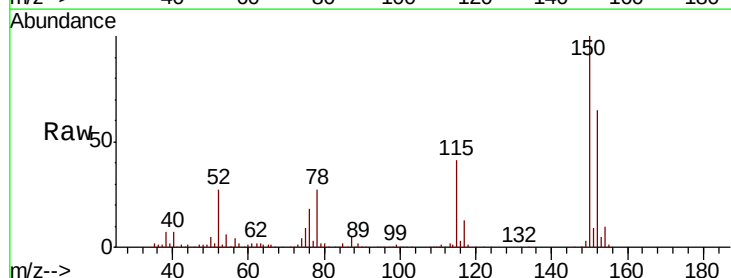


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

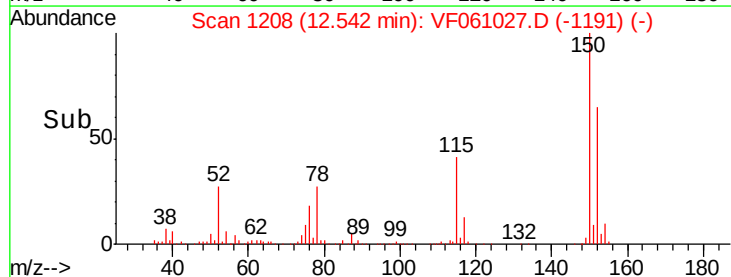
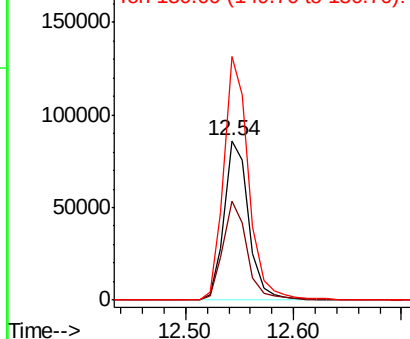


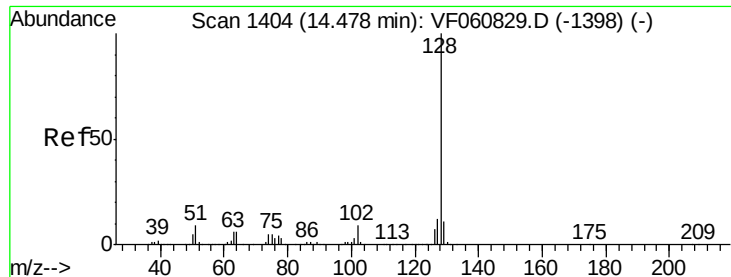
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Tgt Ion:152 Resp: 136986
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.5
150 152.8 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

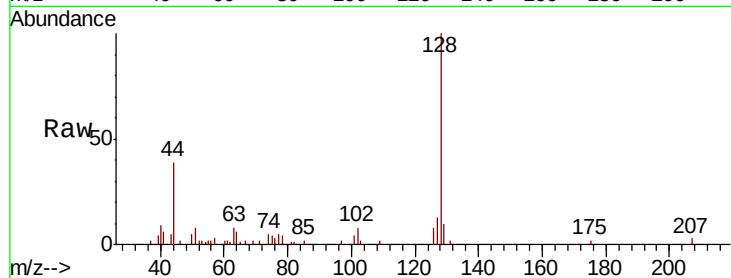




#95
Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF061027.D
Acq: 14 Dec 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	10.1	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

