

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061710.D
 Acq On : 22 Feb 2019 16:01
 Operator : VA/AP
 Sample : K1595-01
 Misc : 6.15g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-CBF-B10

Quant Time: Feb 23 01:45:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	122358	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	165632	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	112048	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	40956	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	25640	28.58	ug/l	-0.03
Spiked Amount			Recovery	=	57.16%	
35) Dibromofluoromethane	4.10	113	41857	34.03	ug/l	-0.02
Spiked Amount			Recovery	=	68.06%	
50) Toluene-d8	7.54	98	105181	29.75	ug/l	-0.02
Spiked Amount			Recovery	=	59.50%	
62) 4-Bromofluorobenzene	11.40	95	32583	22.77	ug/l	-0.02
Spiked Amount			Recovery	=	45.54%	

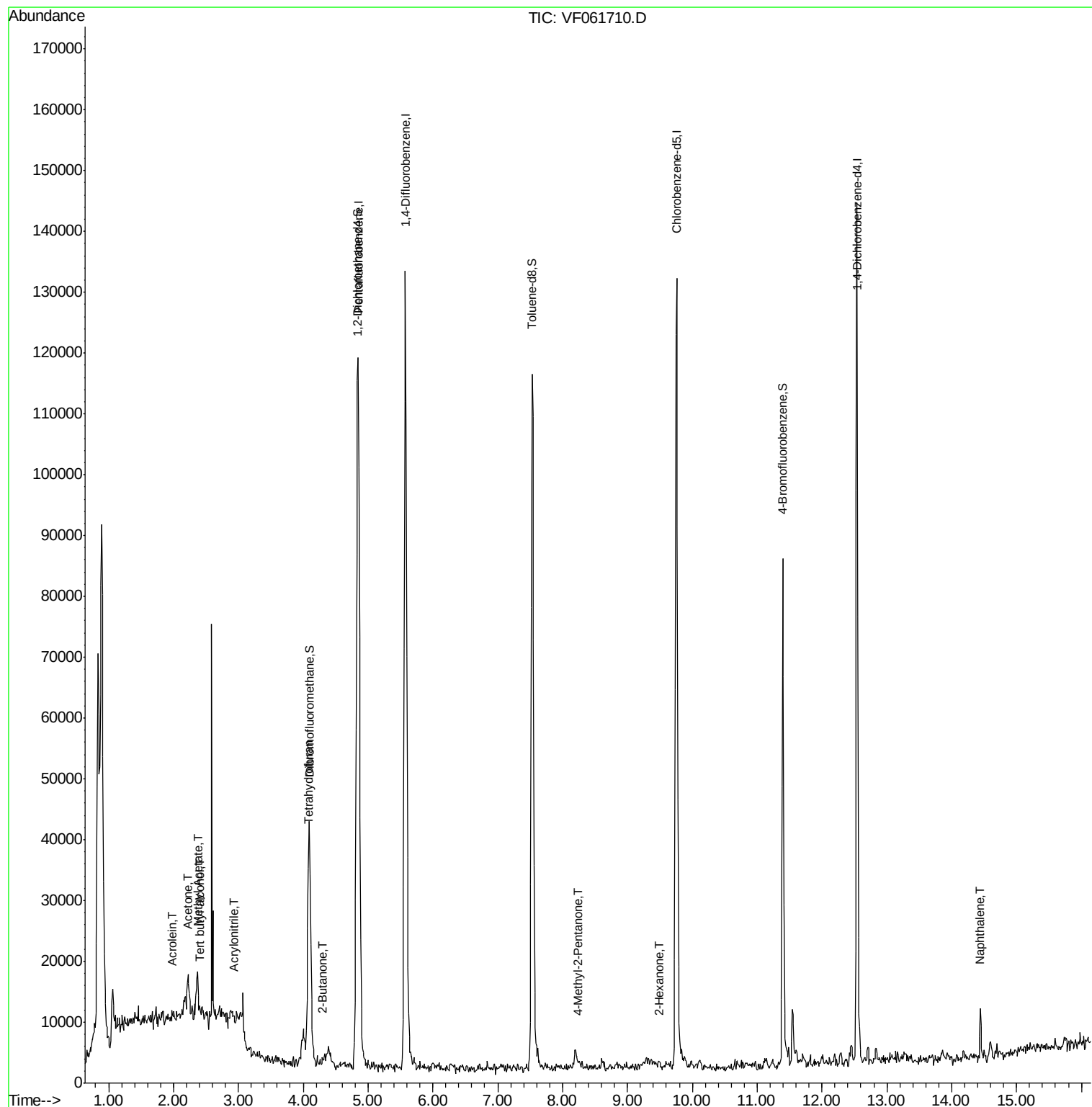
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.40	59	60	1.155	ug/l #	1
13) Acrolein	1.99	56	360	5.516	ug/l	87
15) Acrylonitrile	2.92	53	303	1.645	ug/l #	42
16) Acetone	2.22	43	12222	63.486	ug/l #	87
18) Methyl Acetate	2.36	43	6345	14.630	ug/l #	59
20) Methylene Chloride	2.16	84	1866	Below Cal	#	57
25) 2-Butanone	4.31	43	3468	8.247	ug/l #	82
29) Tetrahydrofuran	4.07	42	857	4.484	ug/l #	50
51) 4-Methyl-2-Pentanone	8.24	43	1471	2.282	ug/l #	77
59) 2-Hexanone	9.47	43	1181	2.614	ug/l #	23
95) Naphthalene	14.44	128	5337	3.186	ug/l	98

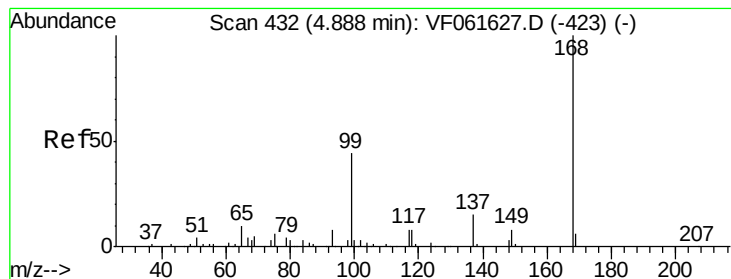
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 23 01:45:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

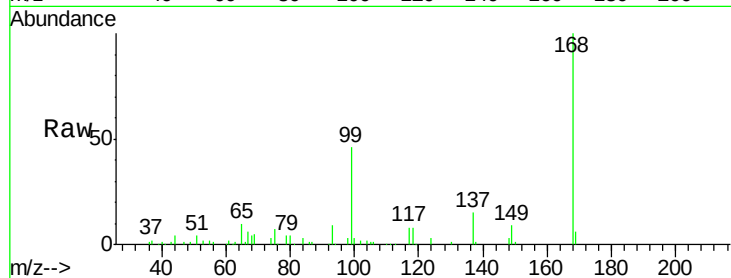
TP-CBF-B10

Tot Ion:168 Resp: 122358

Ion Ratio Lower Upper

168 100

99 46.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

40000

30000

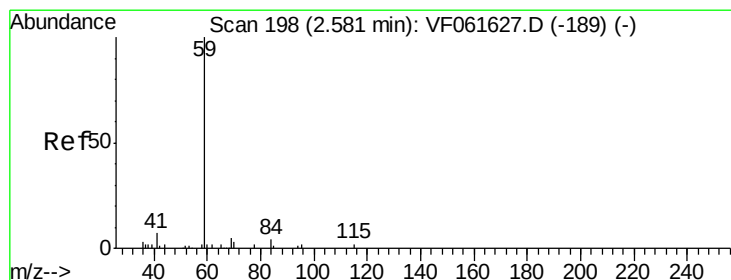
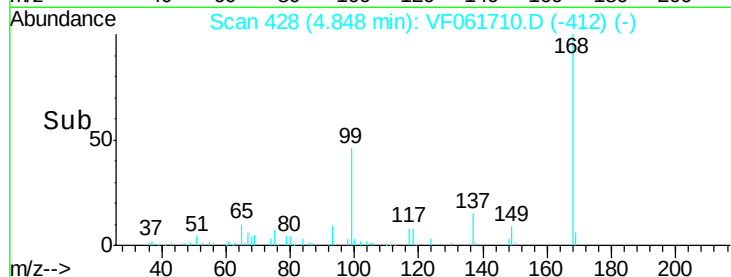
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.155 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.18 min

Lab File: VF061710.D

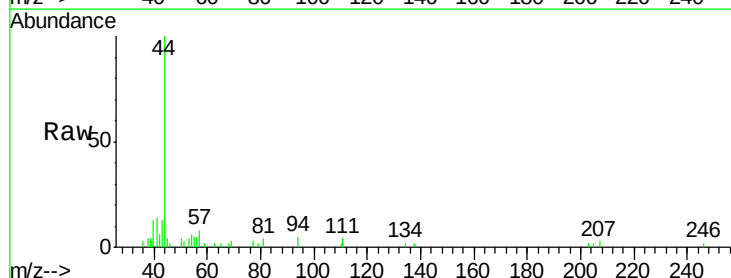
Acq: 22 Feb 2019 16:01

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 397.1 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1500

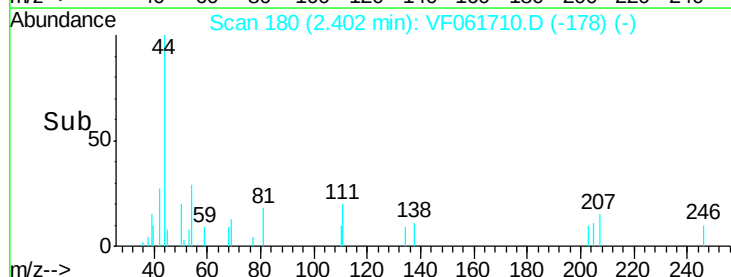
1000

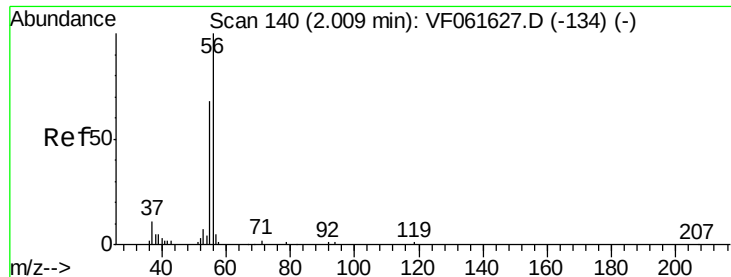
500

0

2.38 2.40 2.42

Time-->





#13

Acrolein

Concen: 5.516 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

Instrument :

MSVOA_F

ClientSampled :

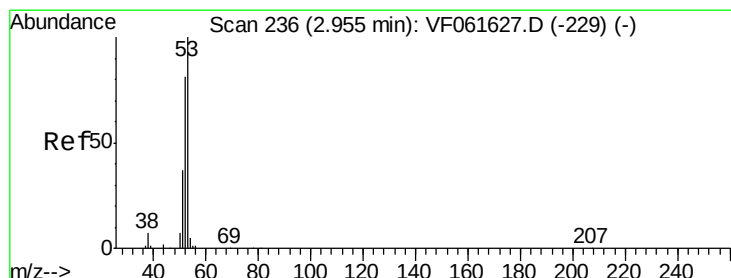
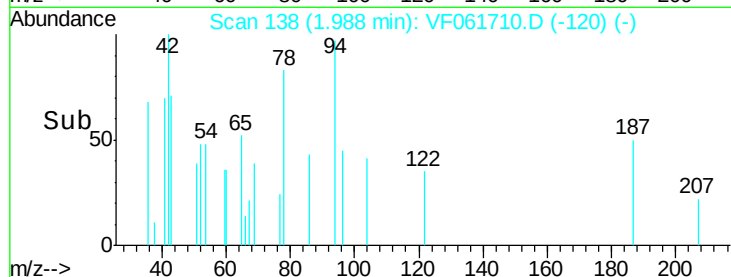
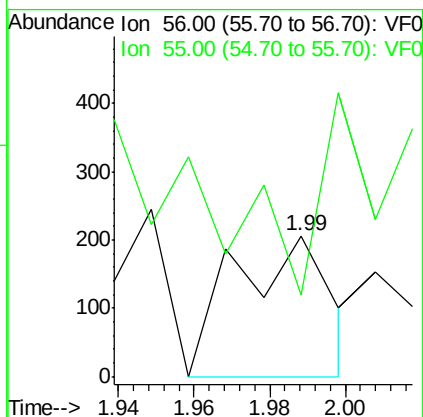
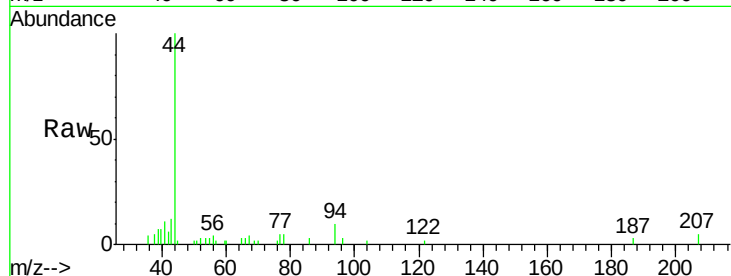
TP-CBF-B10

Tot Ion: 56 Resp: 360

Ion Ratio Lower Upper

56 100

55 58.3 55.0 82.6



#15

Acrylonitrile

Concen: 1.645 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

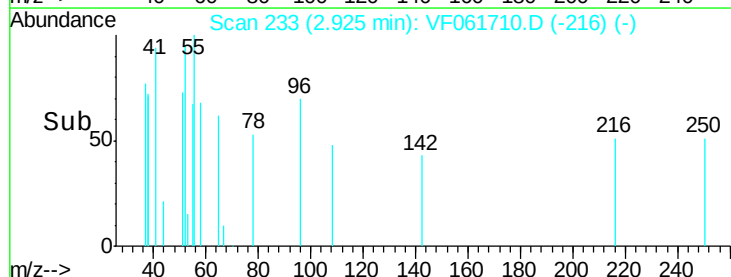
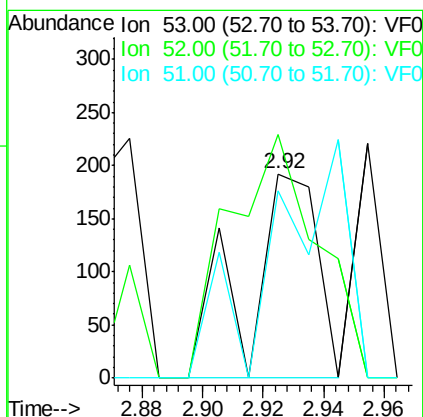
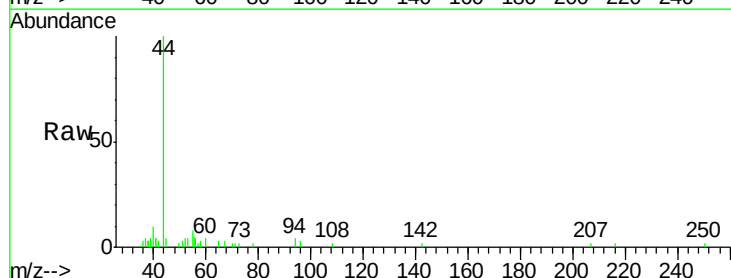
Tgt Ion: 53 Resp: 303

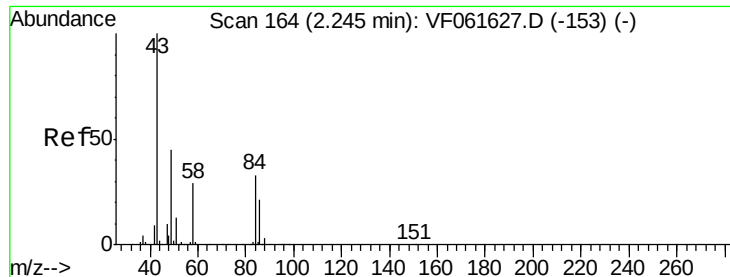
Ion Ratio Lower Upper

53 100

52 119.3 64.6 97.0#

51 91.7 29.8 44.8#





#16

Acetone

Concen: 63.486 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

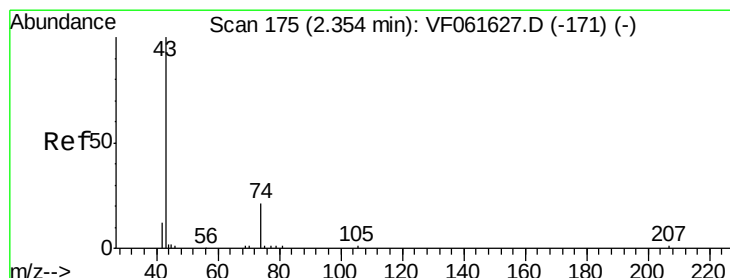
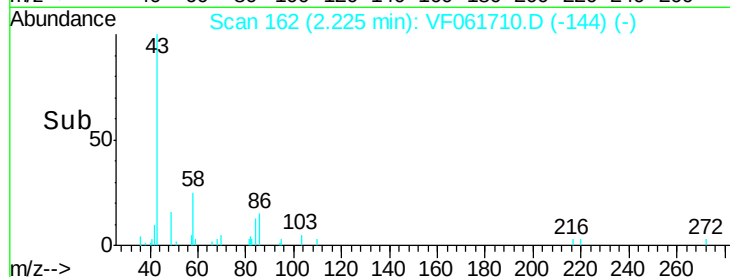
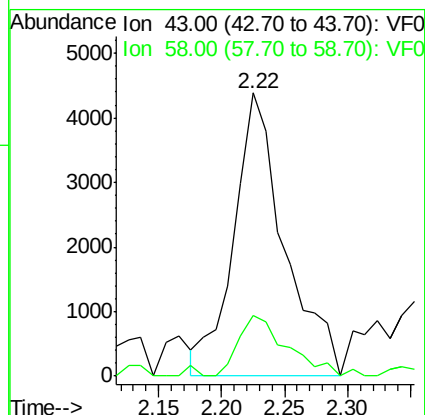
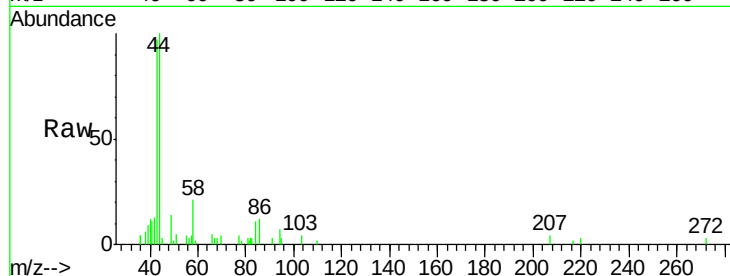
TP-CBF-B10

Tot Ion: 43 Resp: 12222

Ion Ratio Lower Upper

43 100

58 21.6 22.9 34.3#



#18

Methyl Acetate

Concen: 14.630 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061710.D

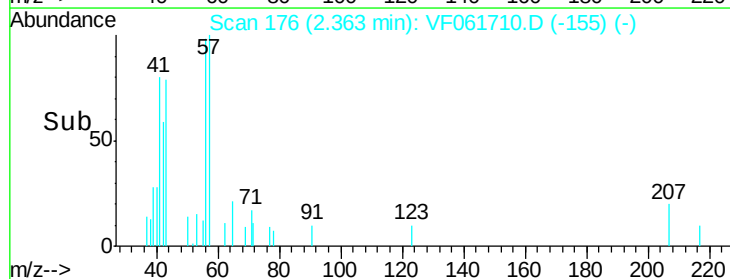
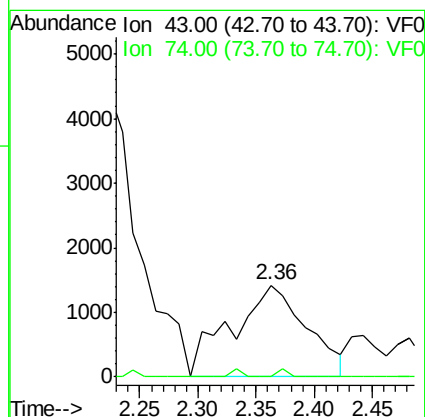
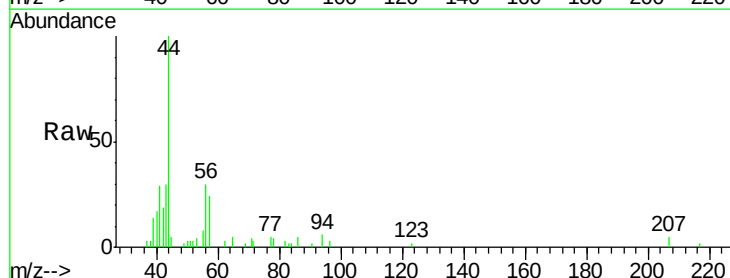
Acq: 22 Feb 2019 16:01

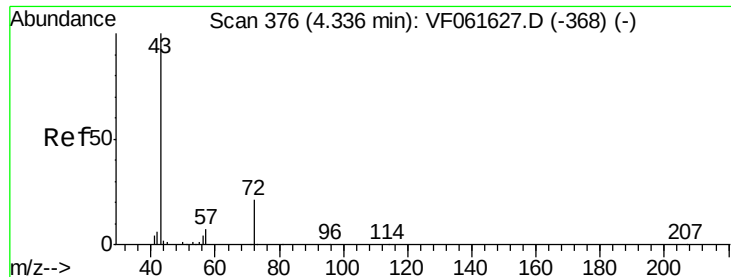
Tgt Ion: 43 Resp: 6345

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#





#25

2-Butanone

Concen: 8.247 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

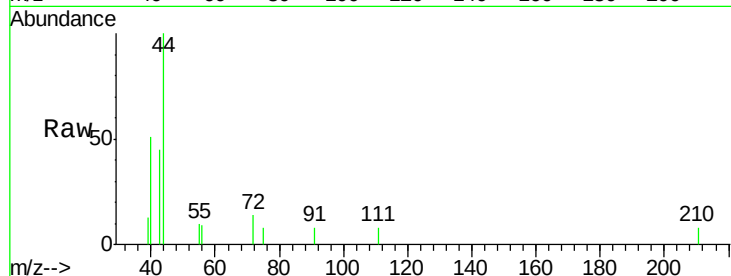
TP-CBF-B10

Tot Ion: 43 Resp: 3468

Ion Ratio Lower Upper

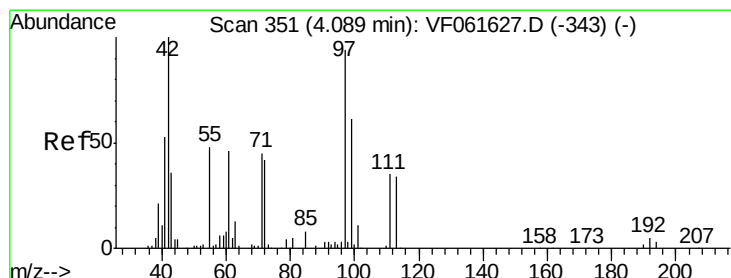
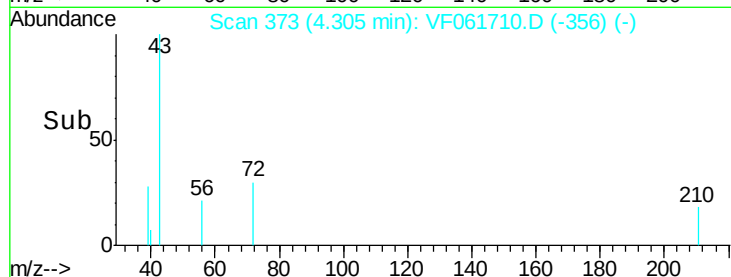
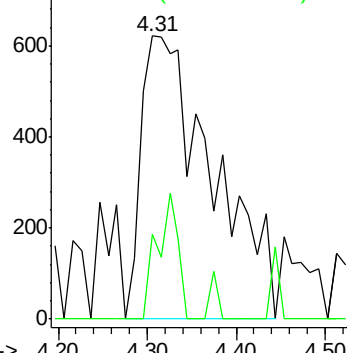
43 100

72 29.9 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 4.484 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

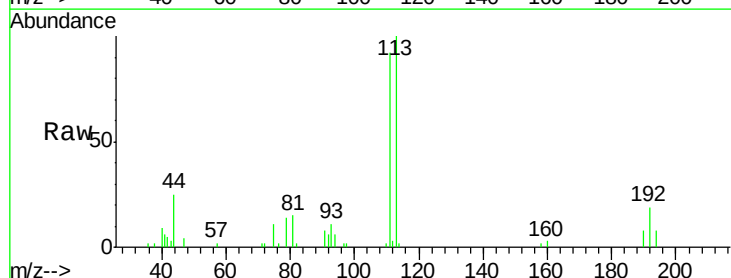
Tgt Ion: 42 Resp: 857

Ion Ratio Lower Upper

42 100

72 10.7 35.2 52.8#

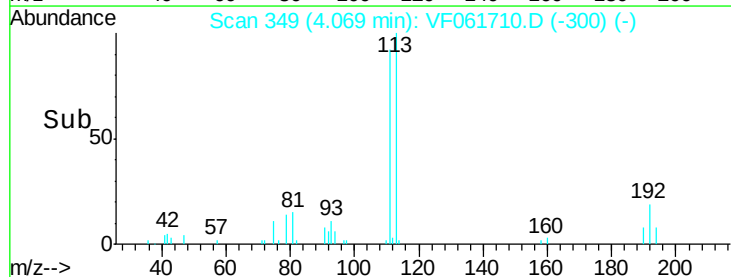
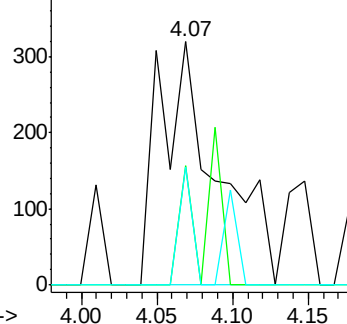
71 10.7 32.9 49.3#

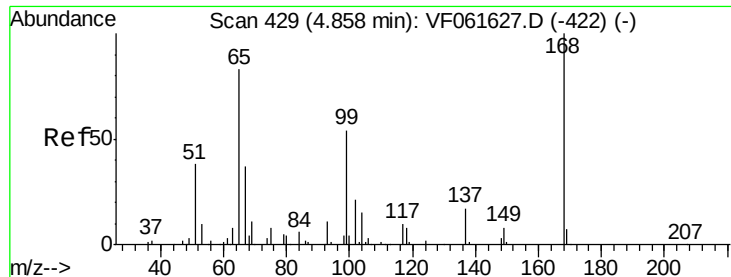


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

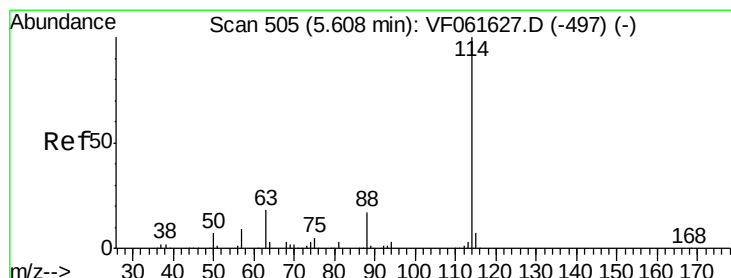
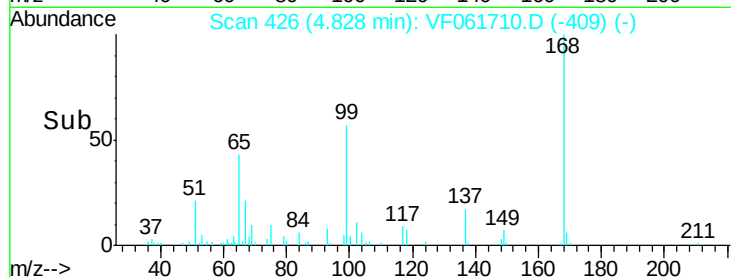
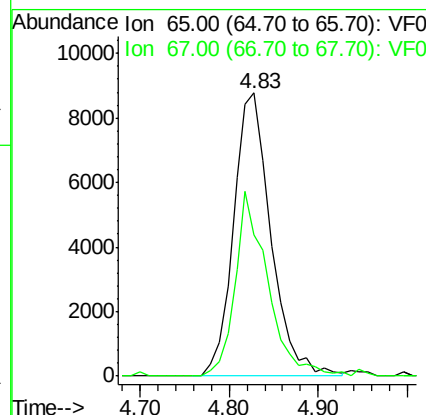
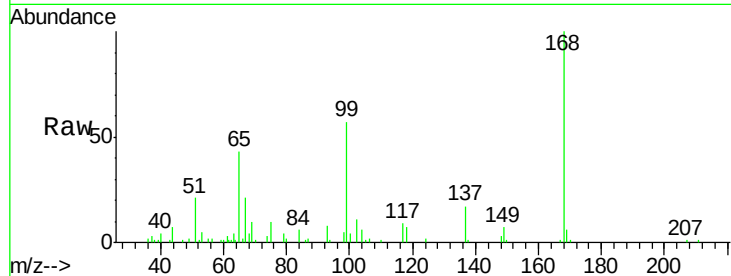




#33
 1,2-Dichloroethane-d4
 Concen: 28.576 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061710.D
 Acq: 22 Feb 2019 16:01

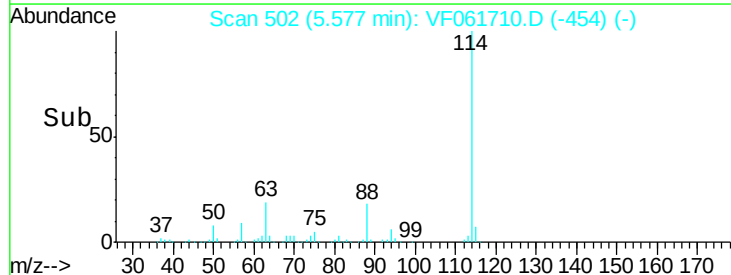
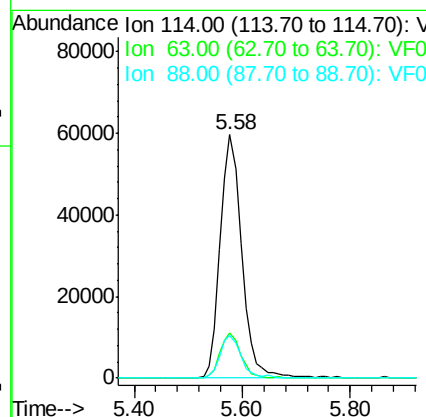
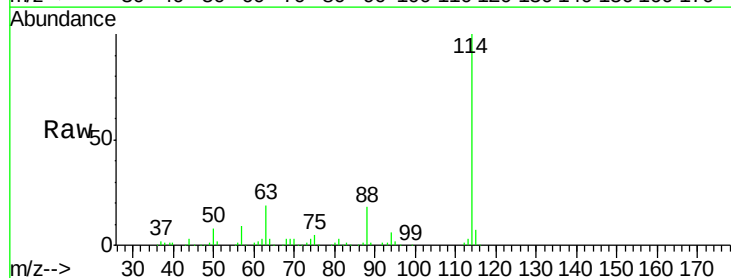
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-CBF-B10

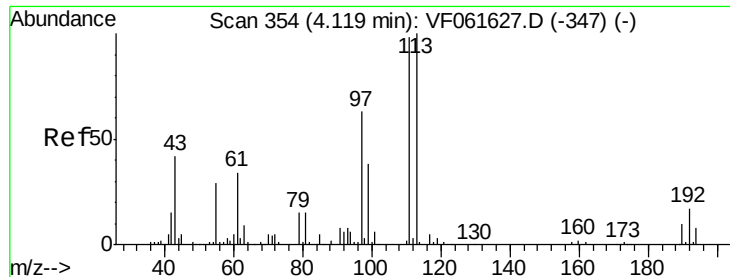
Tot Ion: 65 Resp: 25640
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061710.D
 Acq: 22 Feb 2019 16:01

Tgt Ion: 114 Resp: 165632
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.6
 88 17.5 0.0 34.4





#35

Dibromofluoromethane

Concen: 34.030 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

TP-CBF-B10

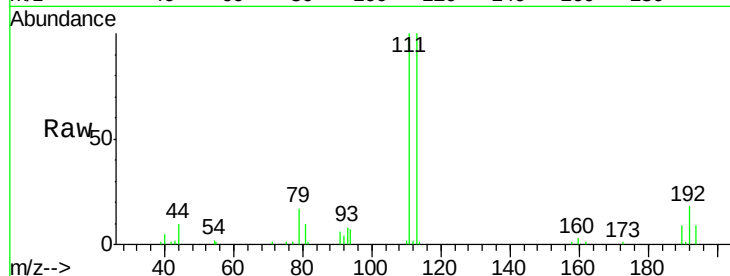
Tot Ion:113 Resp: 41857

Ion Ratio Lower Upper

113 100

111 100.1 78.8 118.2

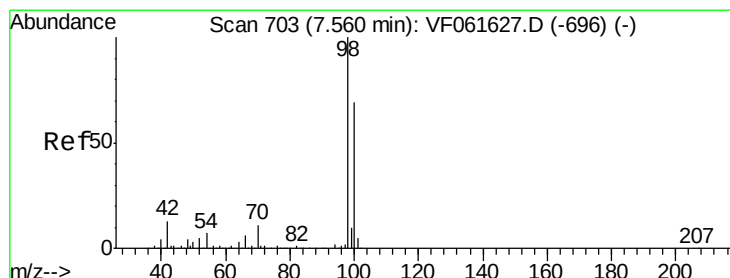
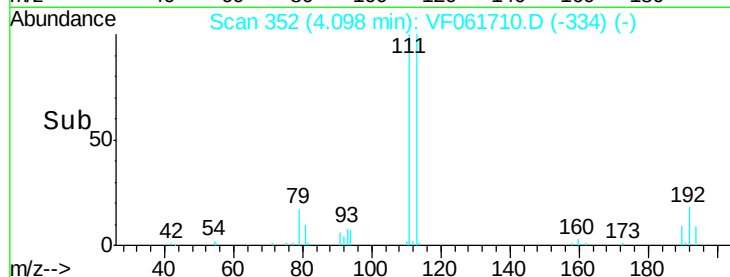
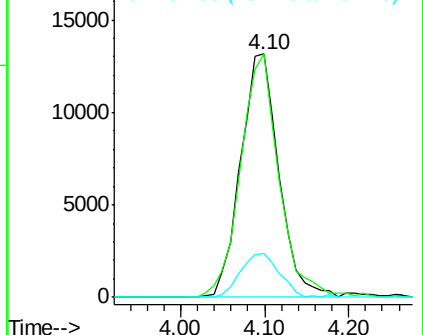
192 17.8 13.4 20.0



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



#50

Toluene-d8

Concen: 29.747 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061710.D

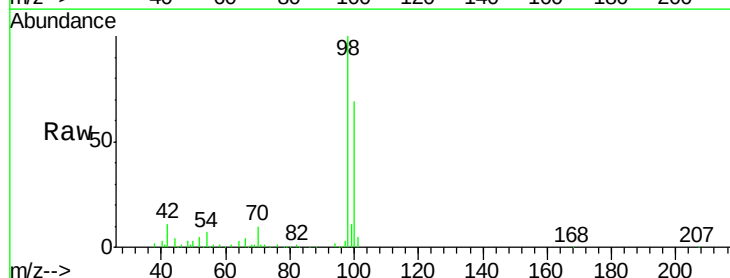
Acq: 22 Feb 2019 16:01

Tgt Ion: 98 Resp: 105181

Ion Ratio Lower Upper

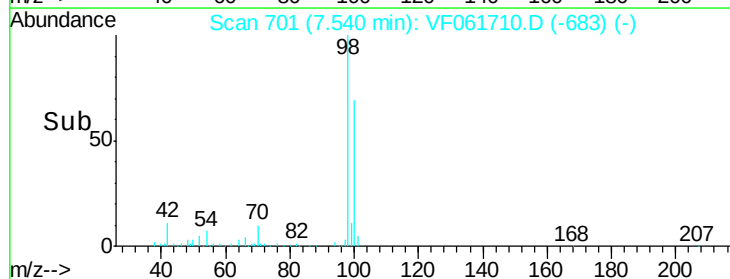
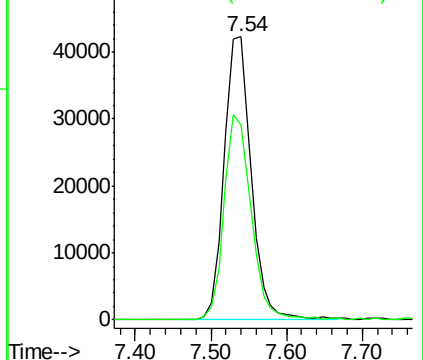
98 100

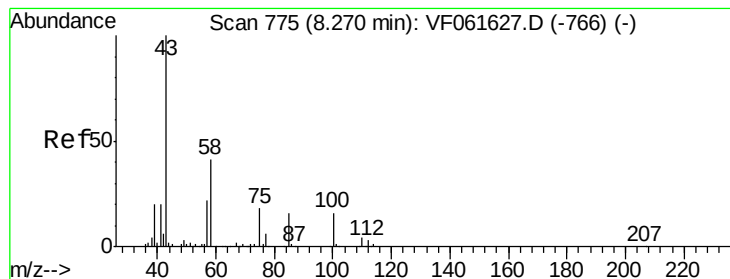
100 69.1 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#51

4-Methyl-2-Pentanone

Concen: 2.282 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061710.D

Acq: 22 Feb 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

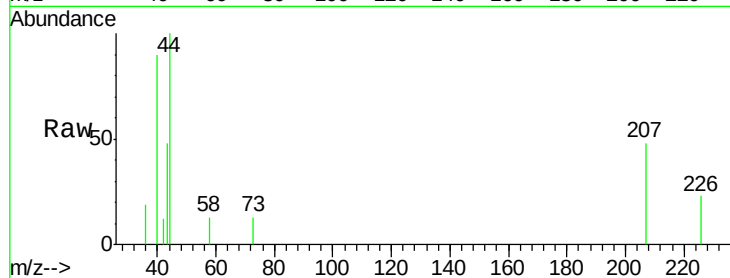
TP-CBF-B10

Tot Ion: 43 Resp: 1471

Ion Ratio Lower Upper

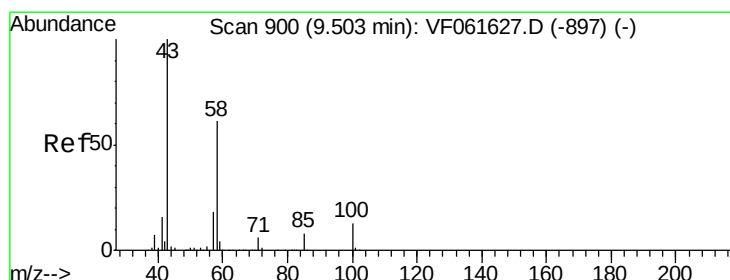
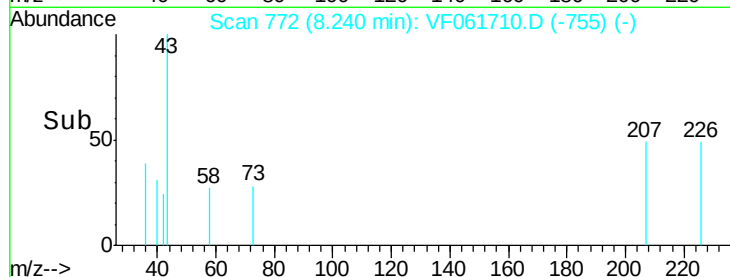
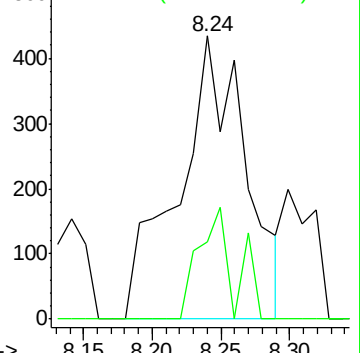
43 100

58 27.2 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 2.614 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061710.D

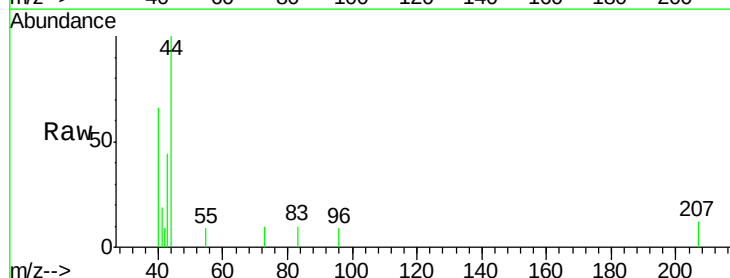
Acq: 22 Feb 2019 16:01

Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

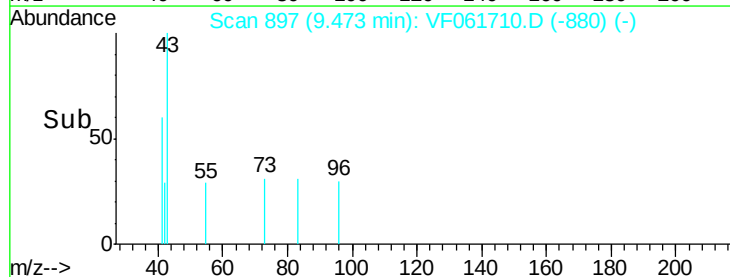
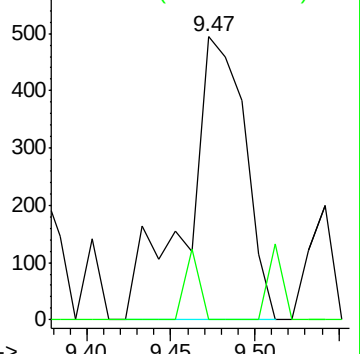
43 100

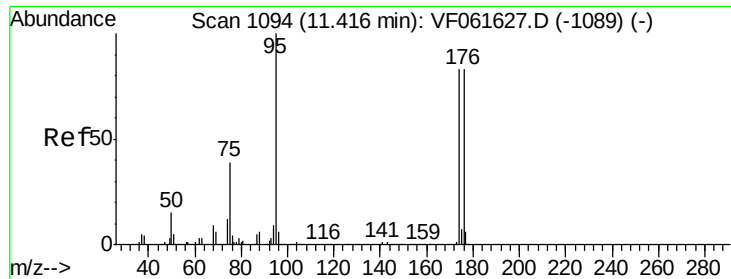
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

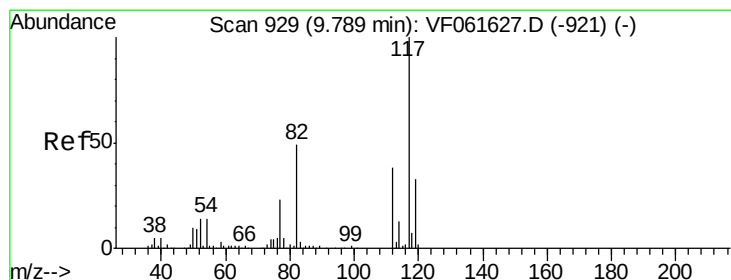
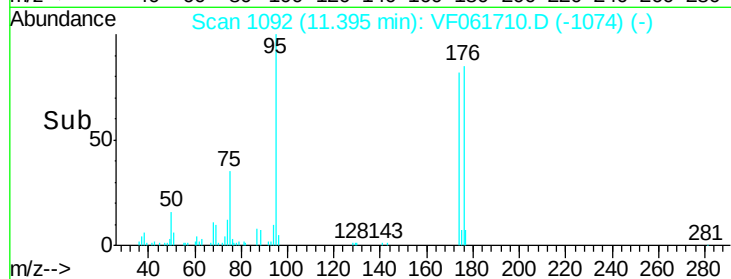
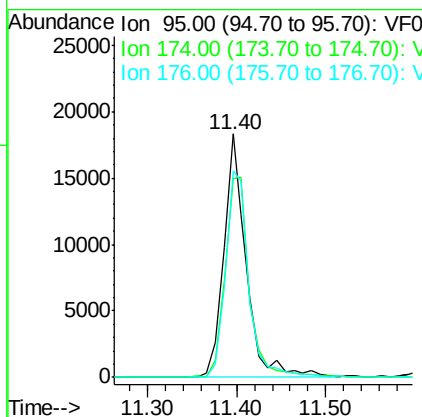
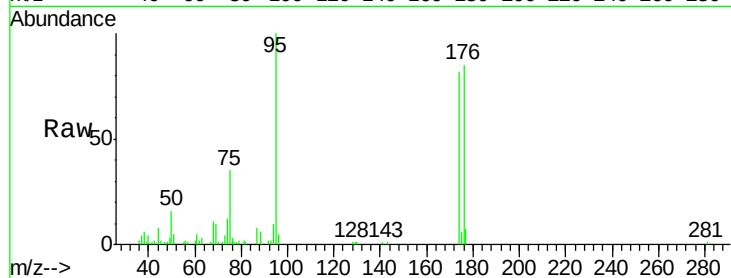




#62
4-Bromofluorobenzene
Concen: 22.774 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061710.D
Acq: 22 Feb 2019 16:01

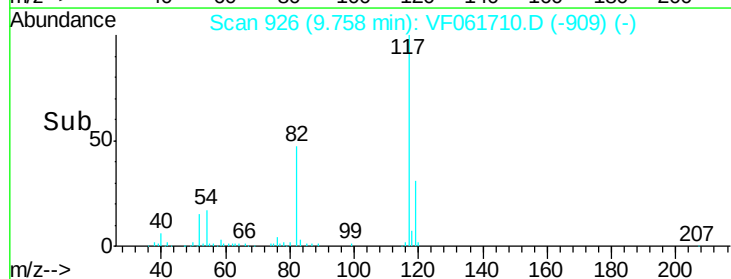
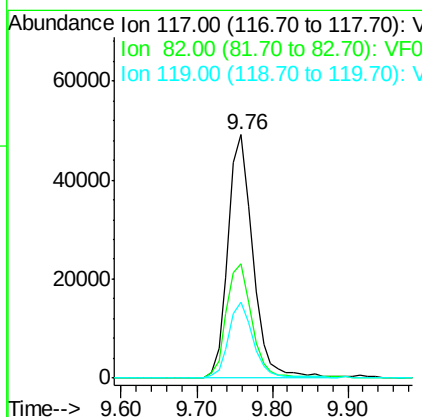
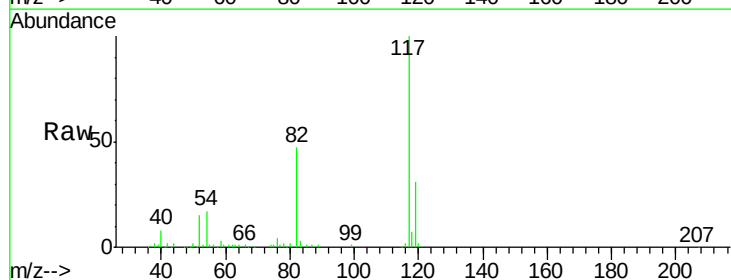
Instrument :
MSVOA_F
ClientSampleId :
TP-CBF-B10

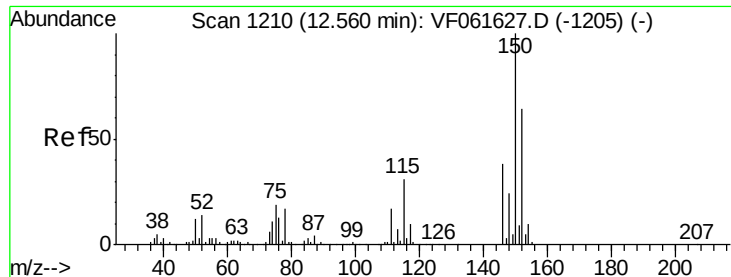
Tot Ion: 95 Resp: 32583
Ion Ratio Lower Upper
95 100
174 81.9 0.0 165.8
176 84.6 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061710.D
Acq: 22 Feb 2019 16:01

Tgt Ion: 117 Resp: 112048
Ion Ratio Lower Upper
117 100
82 46.8 39.3 58.9
119 31.3 26.6 40.0



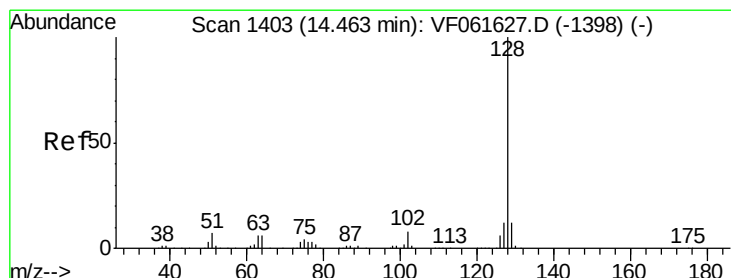
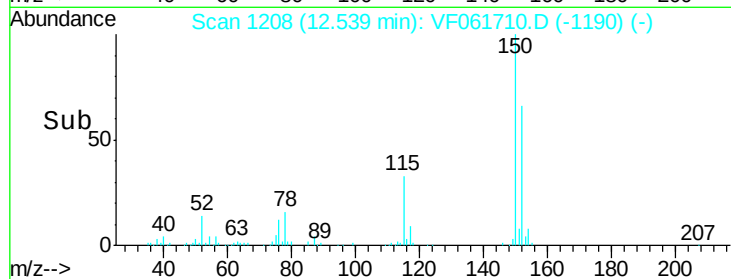
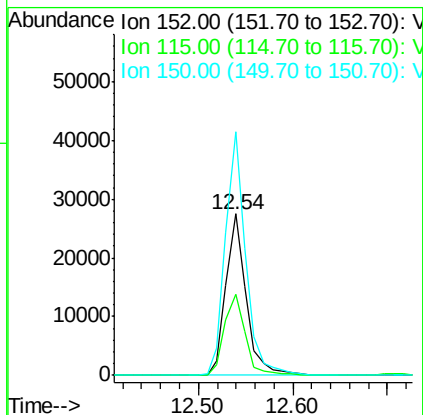
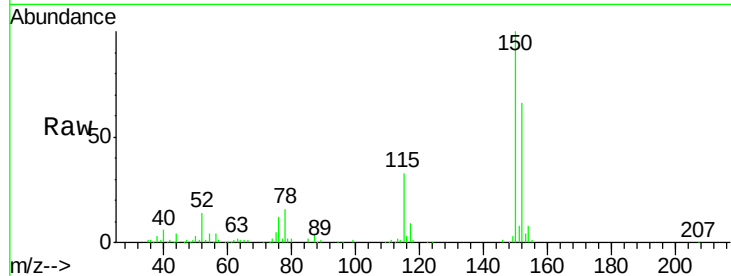


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061710.D
Acq: 22 Feb 2019 16:01

Instrument :
MSVOA_F
ClientSampled :
TP-CBF-B10

Tot Ion:152 Resp: 40956
Ion Ratio Lower Upper
152 100
115 50.2 24.3 72.8
150 151.0 0.0 312.0



#95

Naphthalene
Concen: 3.186 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061710.D
Acq: 22 Feb 2019 16:01

Tgt Ion:128 Resp: 5337
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.6
129 13.3 9.4 14.2

