

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061709.D
 Acq On : 22 Feb 2019 15:17
 Operator : VA/AP
 Sample : K1592-01
 Misc : 8.13g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4-S1

Quant Time: Feb 23 01:45:07 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	378838	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	566991	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	483970	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	278297	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	128434	46.23	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	92.46%	
35) Dibromofluoromethane	4.09	113	191122	45.39	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	90.78%	
50) Toluene-d8	7.53	98	474215	39.18	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	78.36%	
62) 4-Bromofluorobenzene	11.40	95	211669	43.22	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	86.44%	

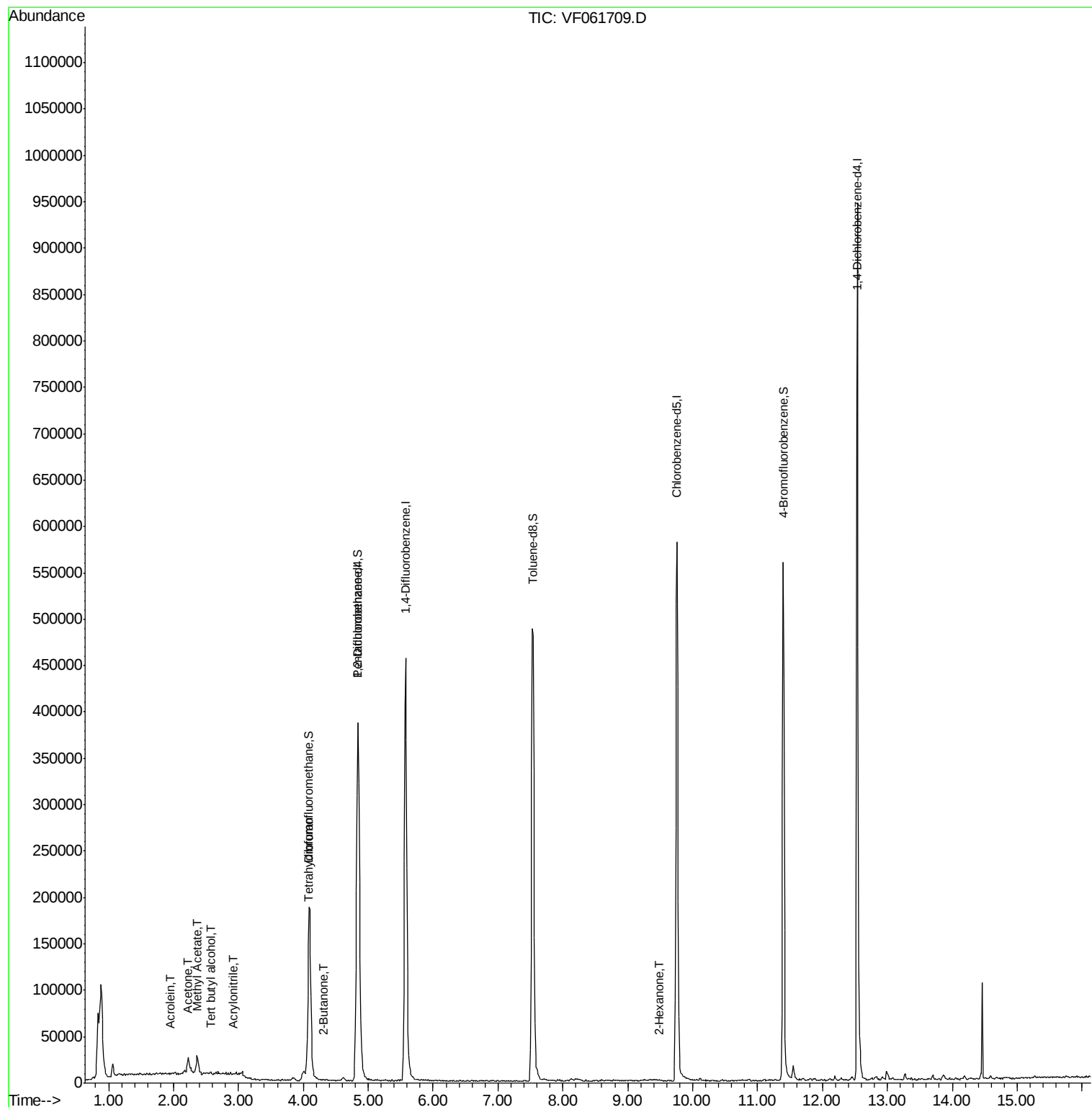
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	255	1.586	ug/l #	1
13) Acrolein	1.95	56	586	2.900	ug/l #	41
15) Acrylonitrile	2.94	53	819	1.436	ug/l #	70
16) Acetone	2.23	43	22107	37.089	ug/l	93
18) Methyl Acetate	2.36	43	5513	4.106	ug/l #	68
20) Methylene Chloride	2.17	84	1952	Below Cal	#	82
25) 2-Butanone	4.33	43	2451	1.883	ug/l #	55
29) Tetrahydrofuran	4.07	42	1116	1.886	ug/l #	69
59) 2-Hexanone	9.48	43	2335	1.510	ug/l #	47

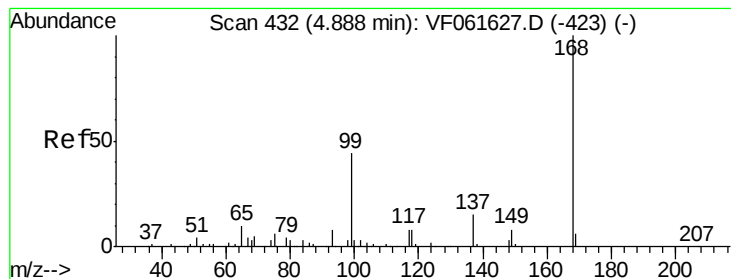
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022219\
Data File : VF061709.D
Acq On : 22 Feb 2019 15:17
Operator : VA/AP
Sample : K1592-01
Misc : 8.13g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TP-4-S1

Quant Time: Feb 23 01:45:07 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: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

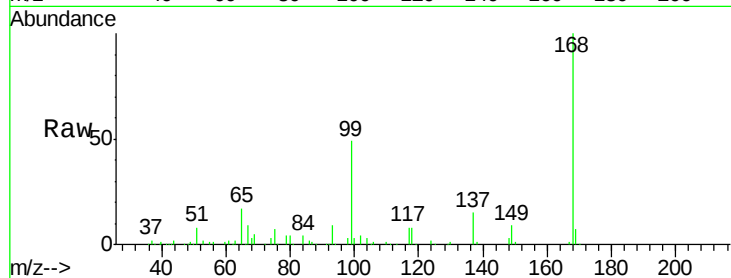
TP-4-S1

Tot Ion:168 Resp: 378838

Ion Ratio Lower Upper

168 100

99 49.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

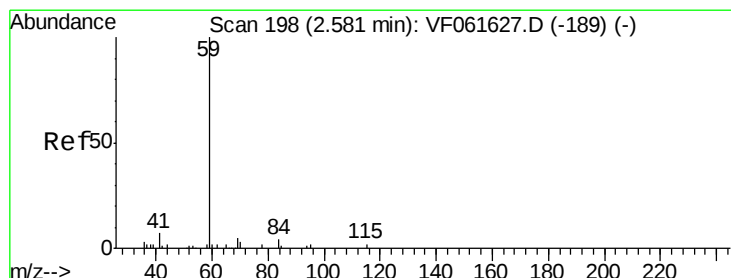
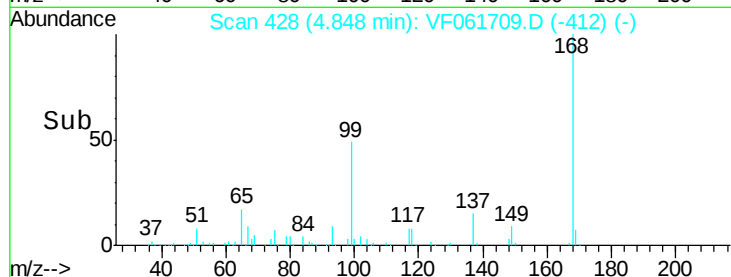
4.85

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.586 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061709.D

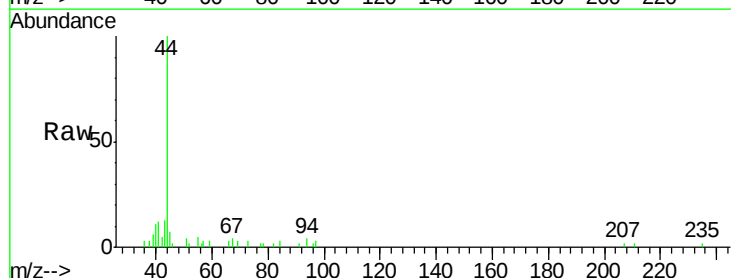
Acq: 22 Feb 2019 15:17

Tgt Ion: 59 Resp: 255

Ion Ratio Lower Upper

59 100

57 100.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

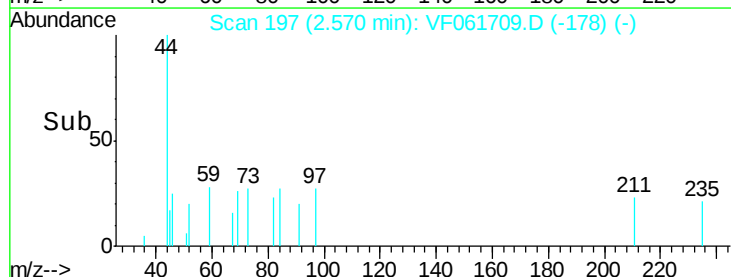
150

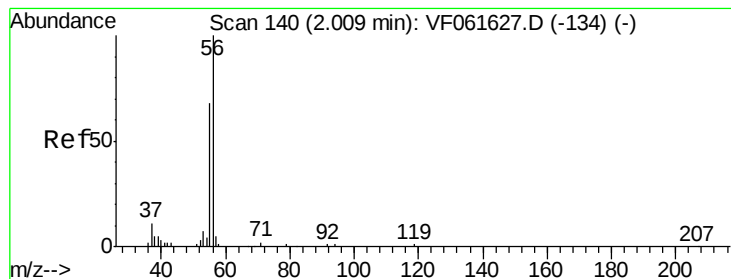
100

50

0

Time-->





#13

Acrolein

Concen: 2.900 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.06 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampled :

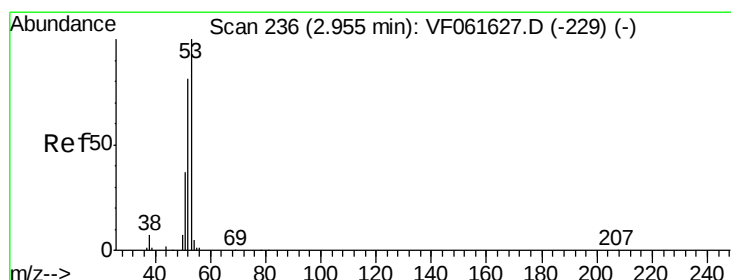
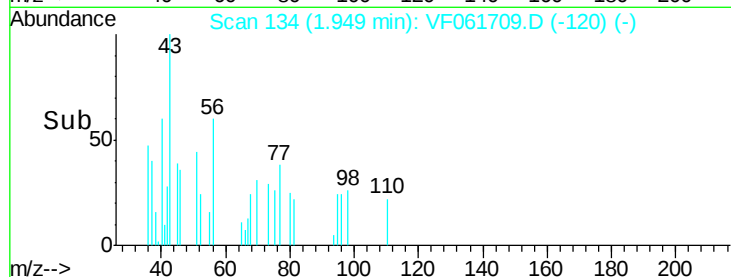
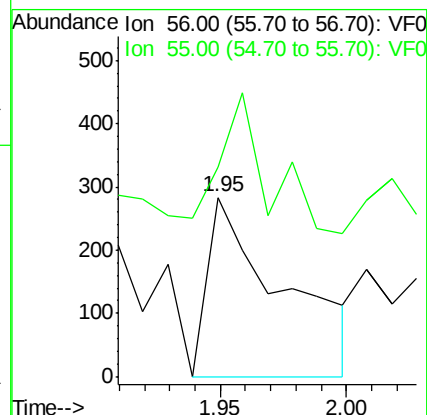
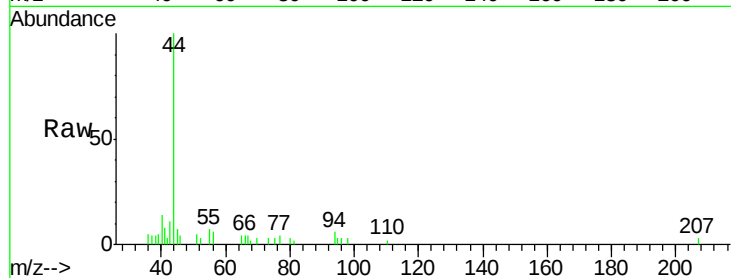
TP-4-S1

Tot Ion: 56 Resp: 586

Ion Ratio Lower Upper

56 100

55 117.0 55.0 82.6#



#15

Acrylonitrile

Concen: 1.436 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

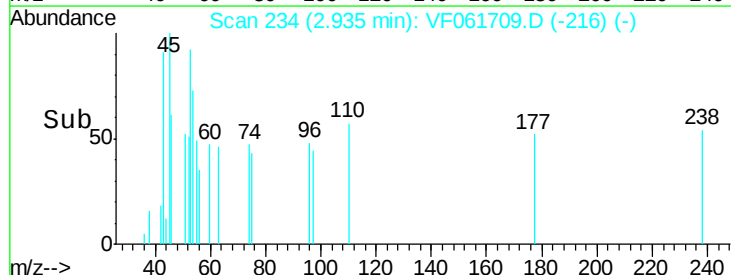
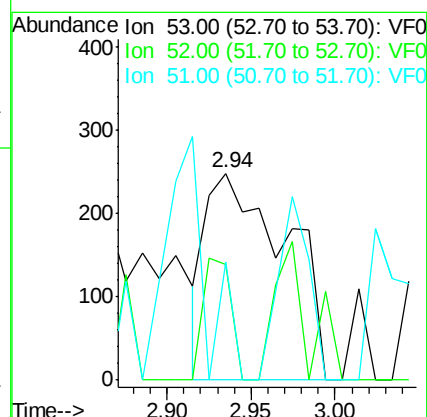
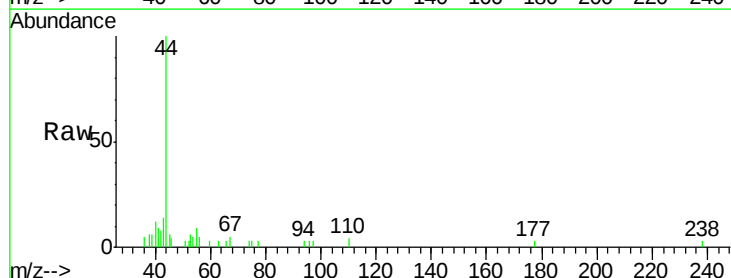
Tgt Ion: 53 Resp: 819

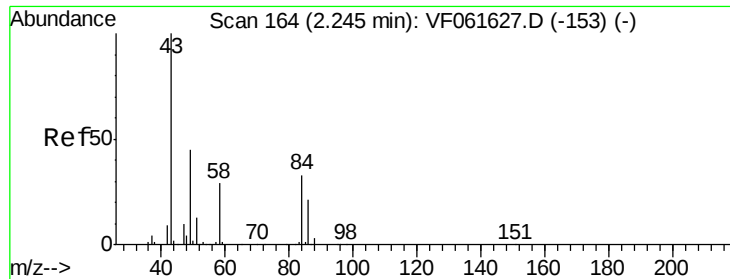
Ion Ratio Lower Upper

53 100

52 56.0 64.6 97.0#

51 57.3 29.8 44.8#





#16

Acetone

Concen: 37.089 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

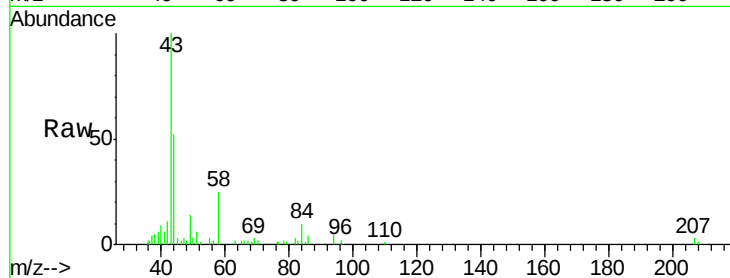
TP-4-S1

Tot Ion: 43 Resp: 22107

Ion Ratio Lower Upper

43 100

58 24.6 22.9 34.3

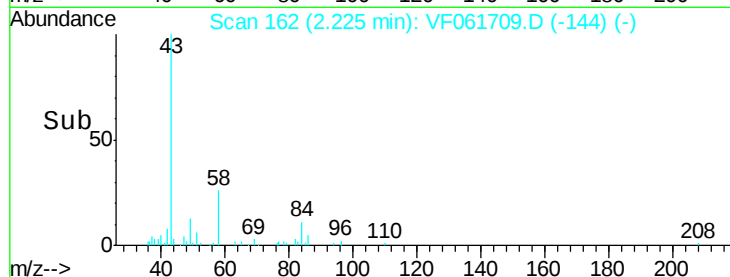


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

Time-->

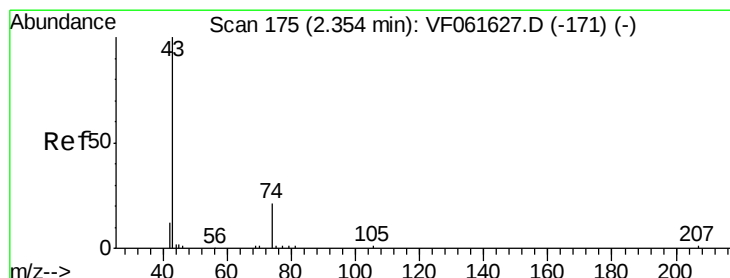


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

Time-->



#18

Methyl Acetate

Concen: 4.106 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061709.D

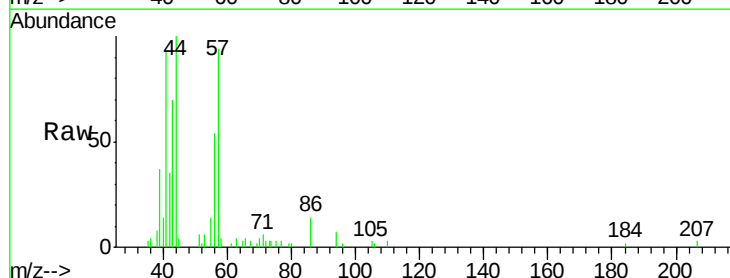
Acq: 22 Feb 2019 15:17

Tgt Ion: 43 Resp: 5513

Ion Ratio Lower Upper

43 100

74 4.0 14.6 21.8#

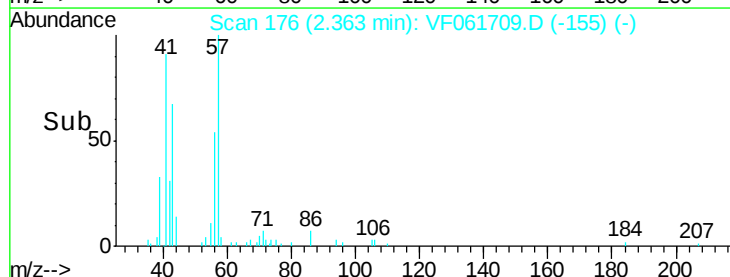


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.36

Time-->

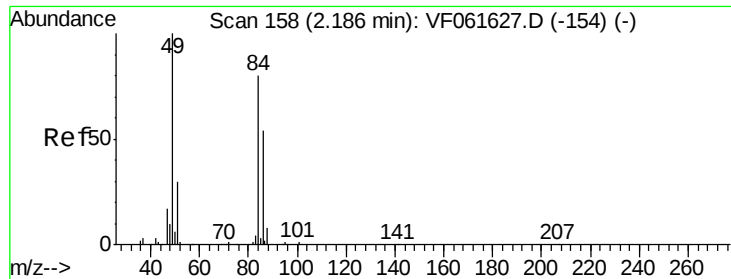


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.36

Time-->

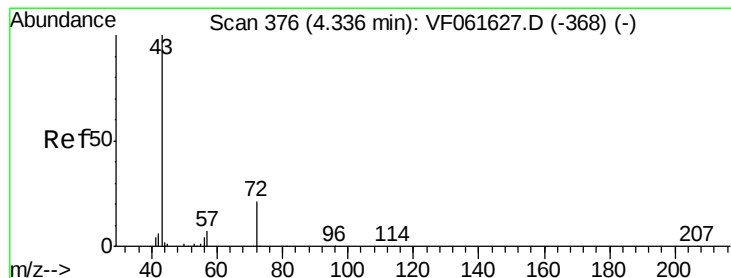
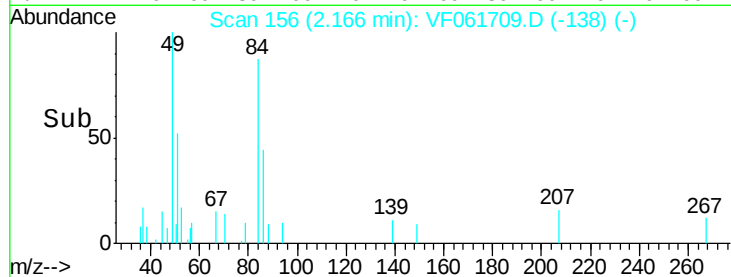
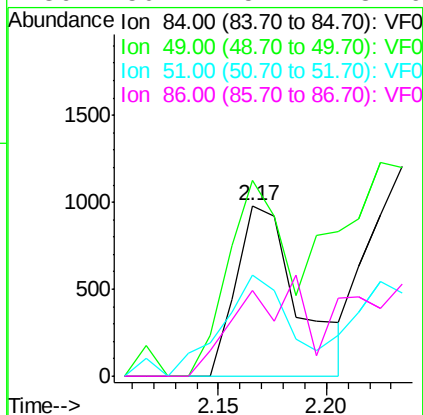
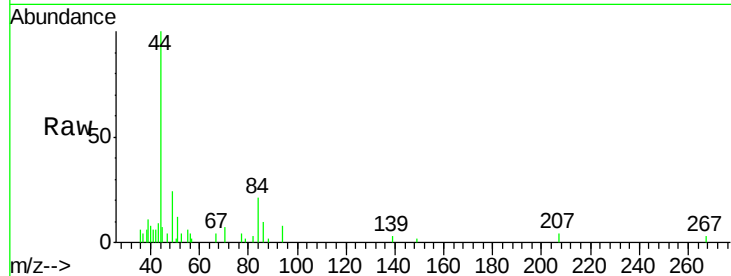


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061709.D
 Acq: 22 Feb 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4-S1

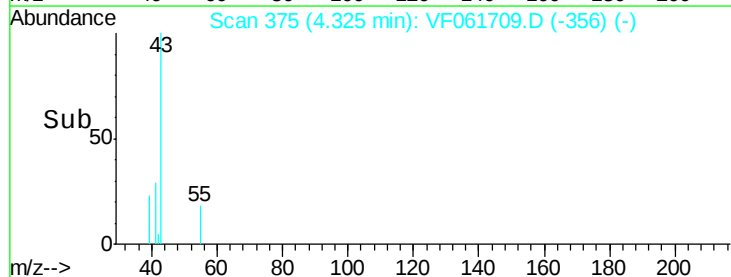
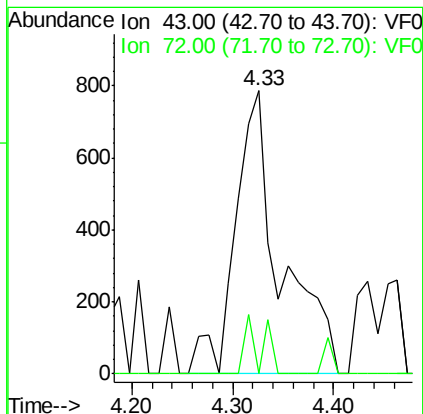
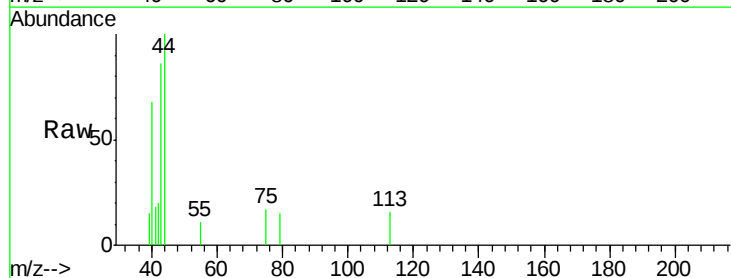
Tot Ion: 84 Resp: 1952
 Ion Ratio Lower Upper
 84 100
 49 114.4 101.8 152.8
 51 59.5 31.1 46.7#
 86 50.1 54.4 81.6#

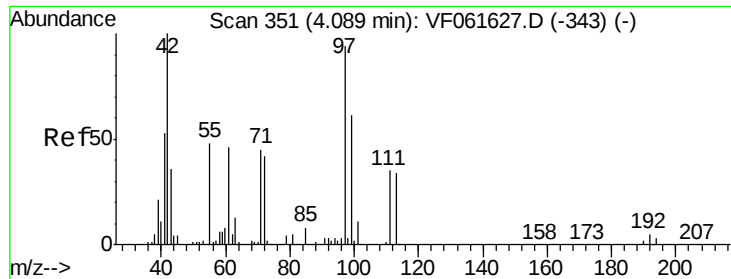


#25

2-Butanone
 Concen: 1.883 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. -0.01 min
 Lab File: VF061709.D
 Acq: 22 Feb 2019 15:17

Tgt Ion: 43 Resp: 2451
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.1 25.7#





#29

Tetrahydrofuran

Concen: 1.886 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

TP-4-S1

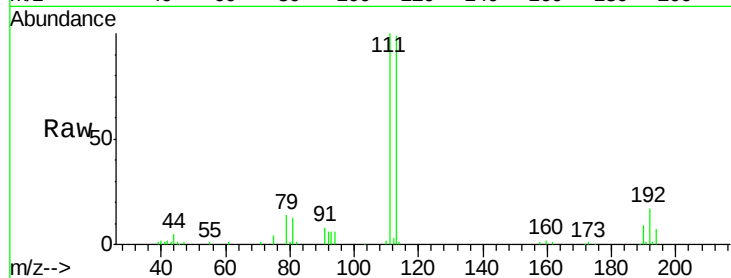
Tot Ion: 42 Resp: 1116

Ion Ratio Lower Upper

42 100

72 13.9 35.2 52.8#

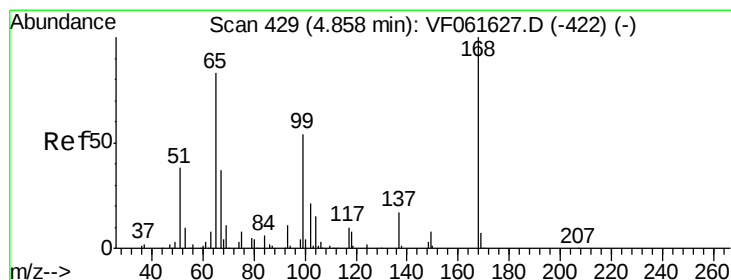
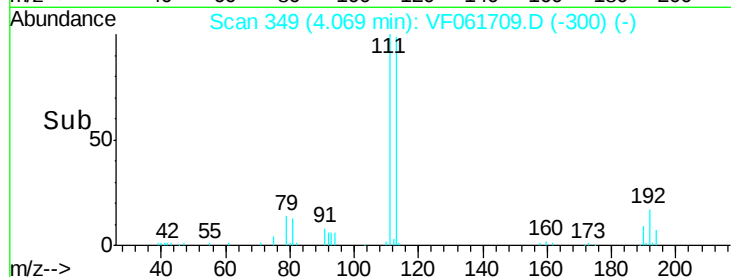
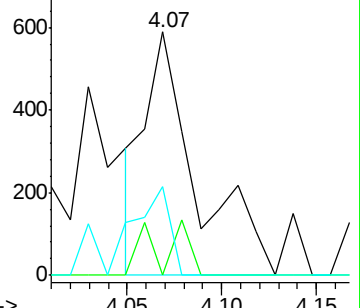
71 32.3 32.9 49.3#



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: 46.231 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061709.D

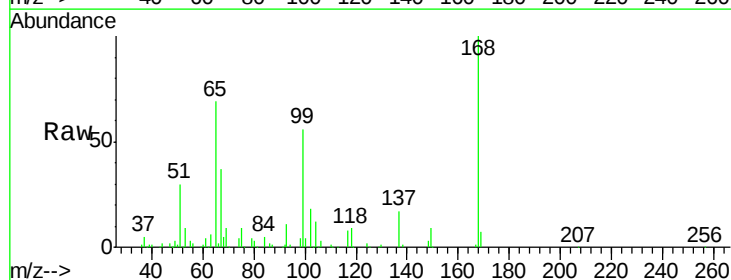
Acq: 22 Feb 2019 15:17

Tgt Ion: 65 Resp: 128434

Ion Ratio Lower Upper

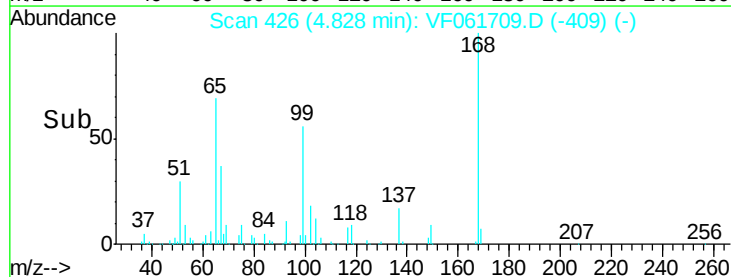
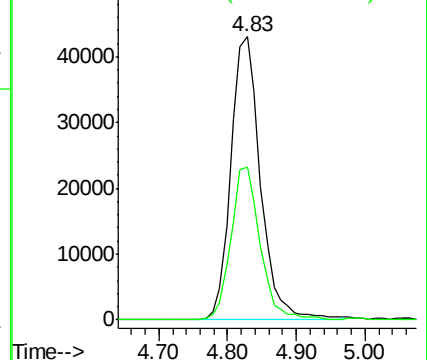
65 100

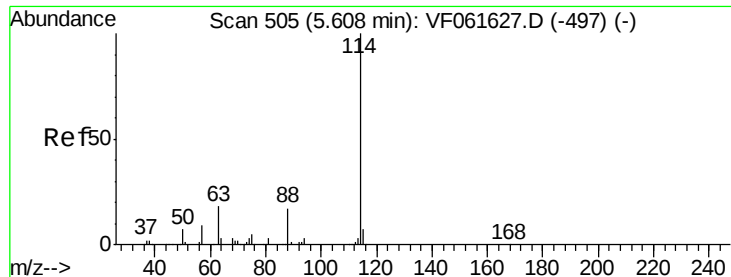
67 53.8 0.0 104.0



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: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampled :

TP-4-S1

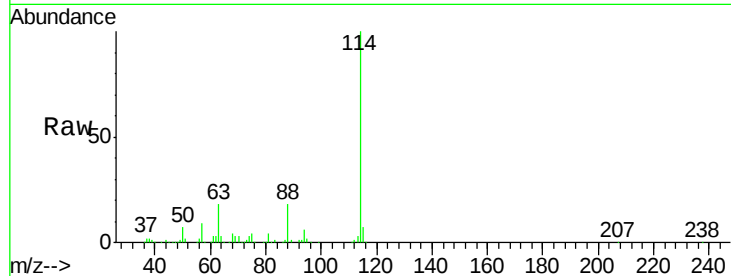
Tot Ion:114 Resp: 566991

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

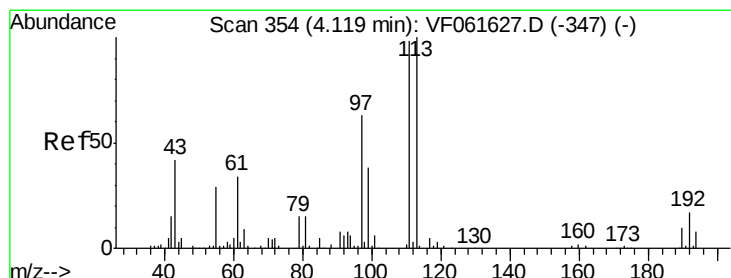
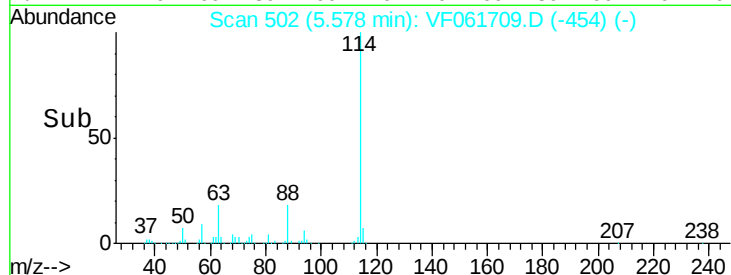
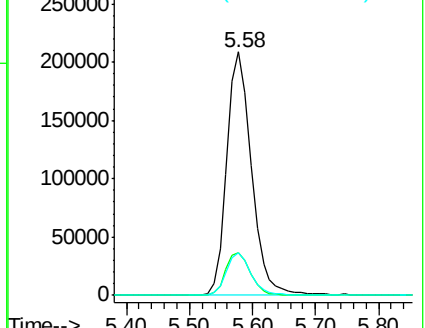
88 17.7 0.0 34.4



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: 45.392 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

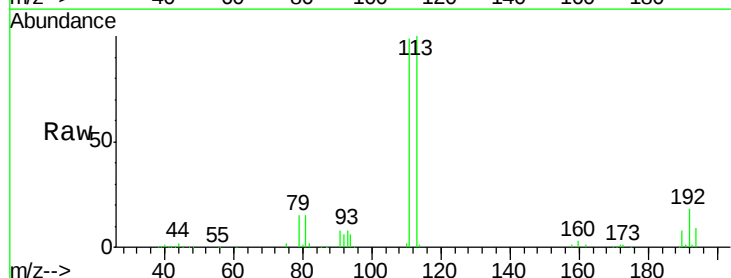
Tgt Ion:113 Resp: 191122

Ion Ratio Lower Upper

113 100

111 98.8 78.8 118.2

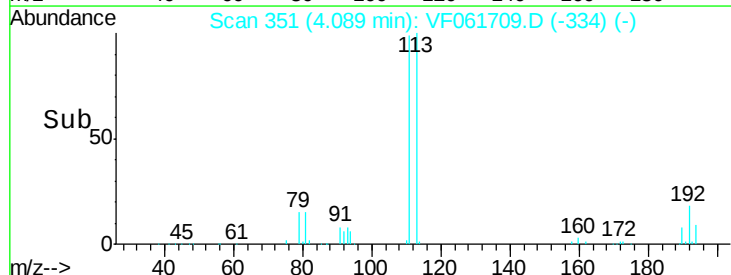
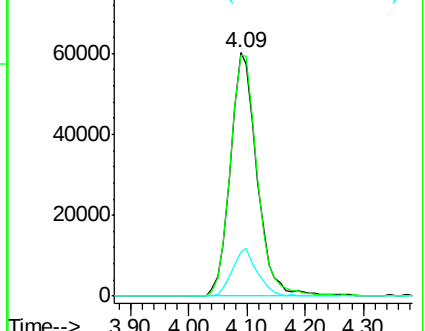
192 18.0 13.4 20.0

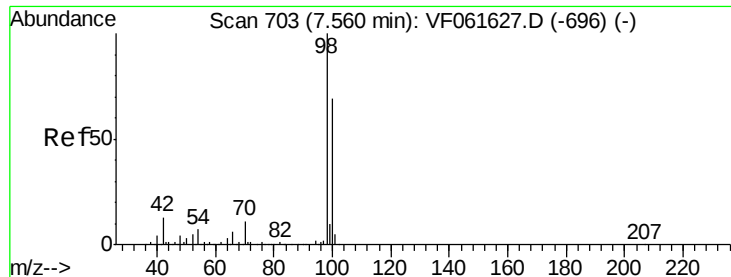


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 39.178 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

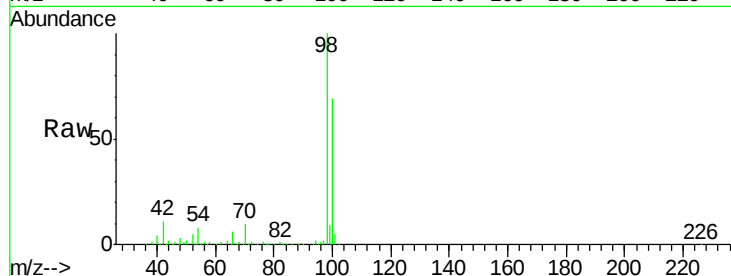
TP-4-S1

Tot Ion: 98 Resp: 474215

Ion Ratio Lower Upper

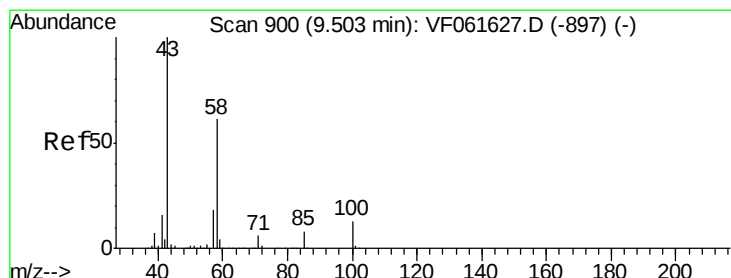
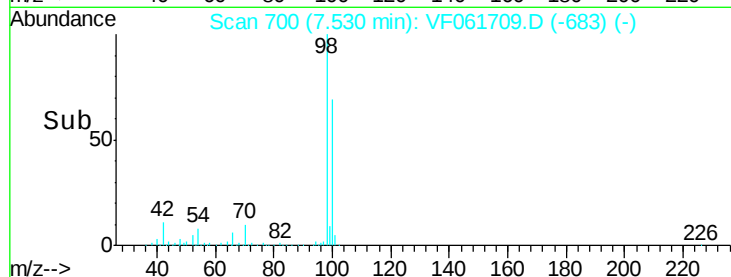
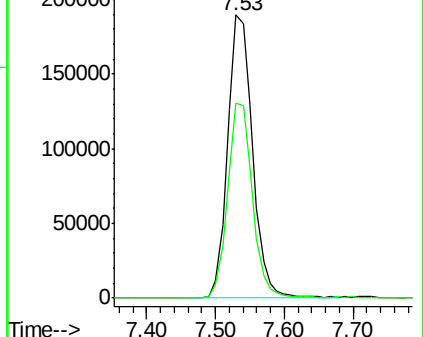
98 100

100 68.9 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#59

2-Hexanone

Concen: 1.510 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061709.D

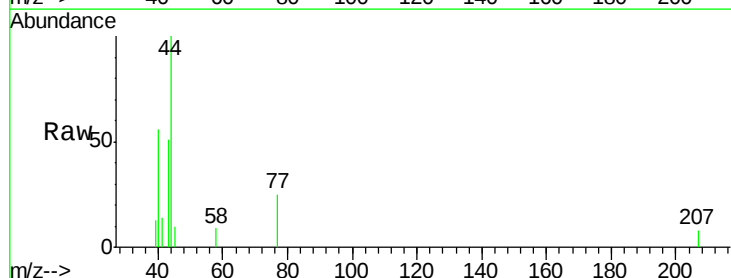
Acq: 22 Feb 2019 15:17

Tgt Ion: 43 Resp: 2335

Ion Ratio Lower Upper

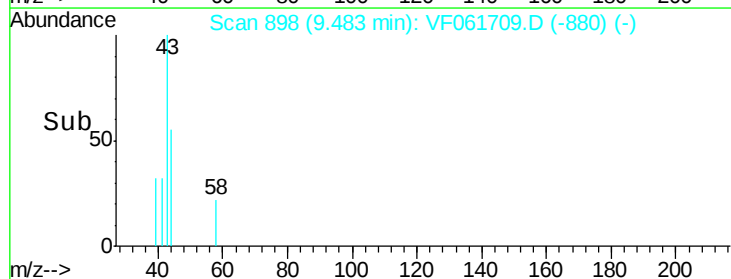
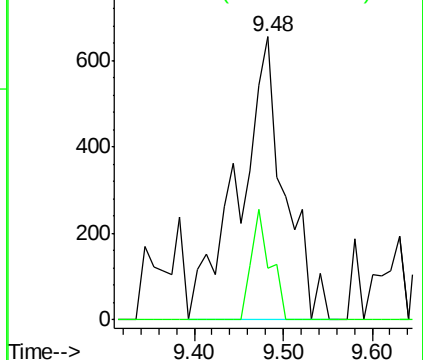
43 100

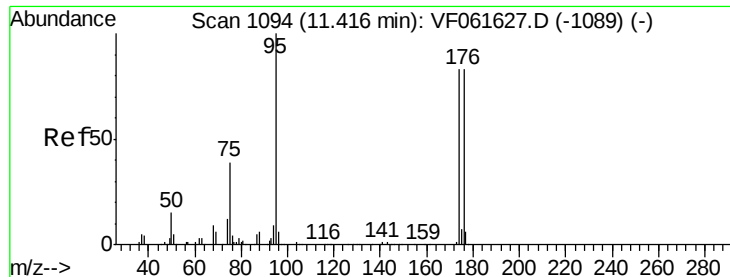
58 18.3 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 43.220 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

TP-4-S1

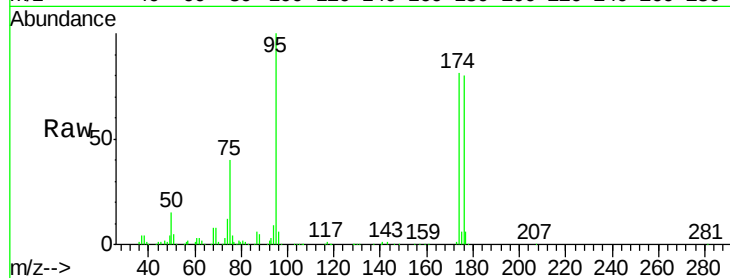
Tot Ion: 95 Resp: 211669

Ion Ratio Lower Upper

95 100

174 81.2 0.0 165.8

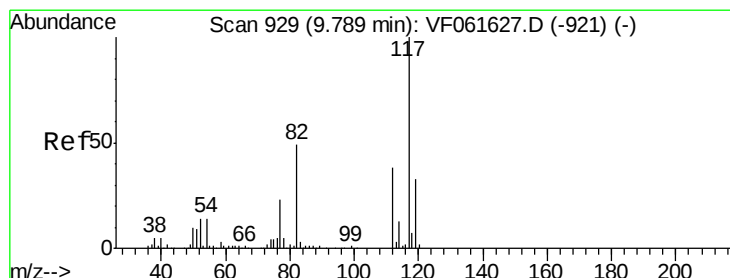
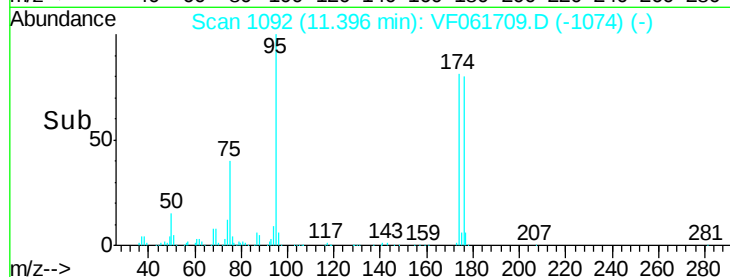
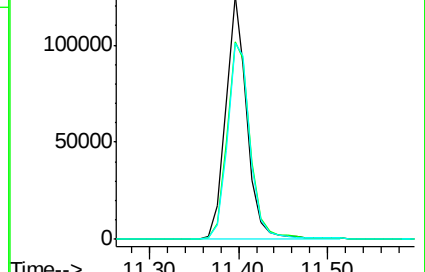
176 80.5 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF061627.D (-1089) (-)

Ion 174.00 (173.70 to 174.70): VF061627.D (-1089) (-)

Ion 176.00 (175.70 to 176.70): VF061627.D (-1089) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

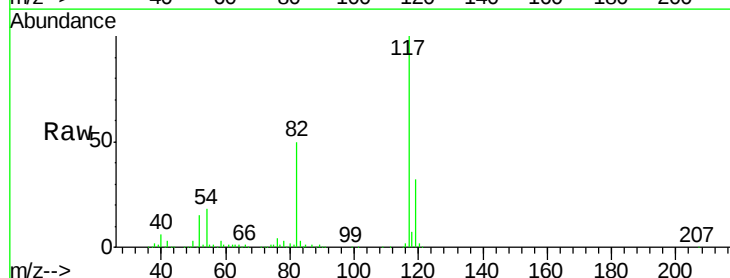
Tgt Ion: 117 Resp: 483970

Ion Ratio Lower Upper

117 100

82 50.0 39.3 58.9

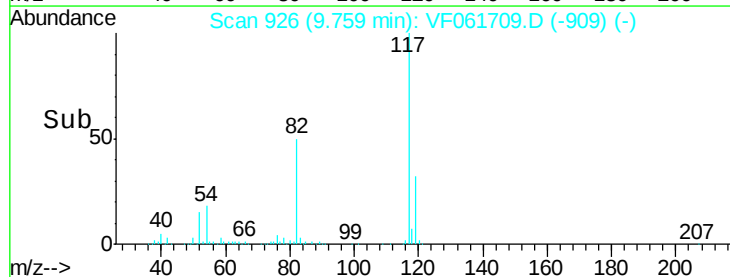
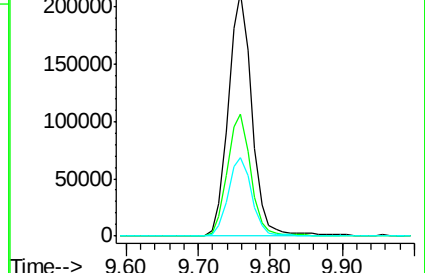
119 32.4 26.6 40.0

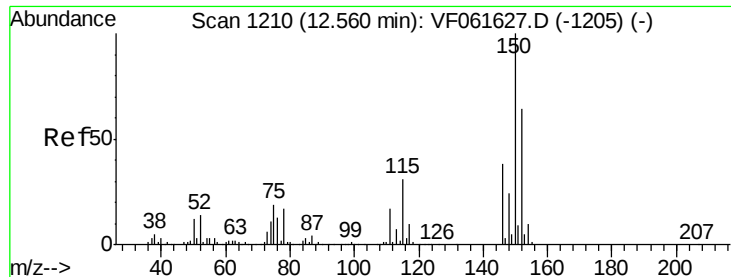


Abundance Ion 117.00 (116.70 to 117.70): VF061627.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061627.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061627.D (-921) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061709.D

Acq: 22 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

TP-4-S1

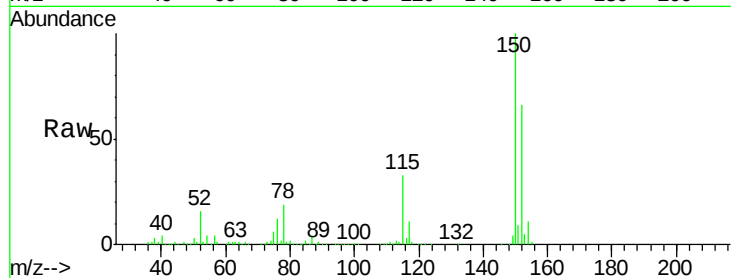
Tot Ion:152 Resp: 278297

Ion Ratio Lower Upper

152 100

115 49.9 24.3 72.8

150 151.1 0.0 312.0



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

