

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061207.D
 Acq On : 27 Dec 2018 14:45
 Operator : VA/AP
 Sample : J6511-01
 Misc : 6.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-57(0-5)-GRAB

Quant Time: Dec 27 16:06:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	125262	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	222423	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	175518	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	67442	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	87608	54.38	ug/l	-0.02
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	4.09	113	94437	53.00	ug/l	-0.02
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	7.53	98	228027	45.16	ug/l	-0.02
Spiked Amount			Recovery	=	90.32%	
62) 4-Bromofluorobenzene	11.39	95	85366	36.67	ug/l	-0.02
Spiked Amount			Recovery	=	73.34%	

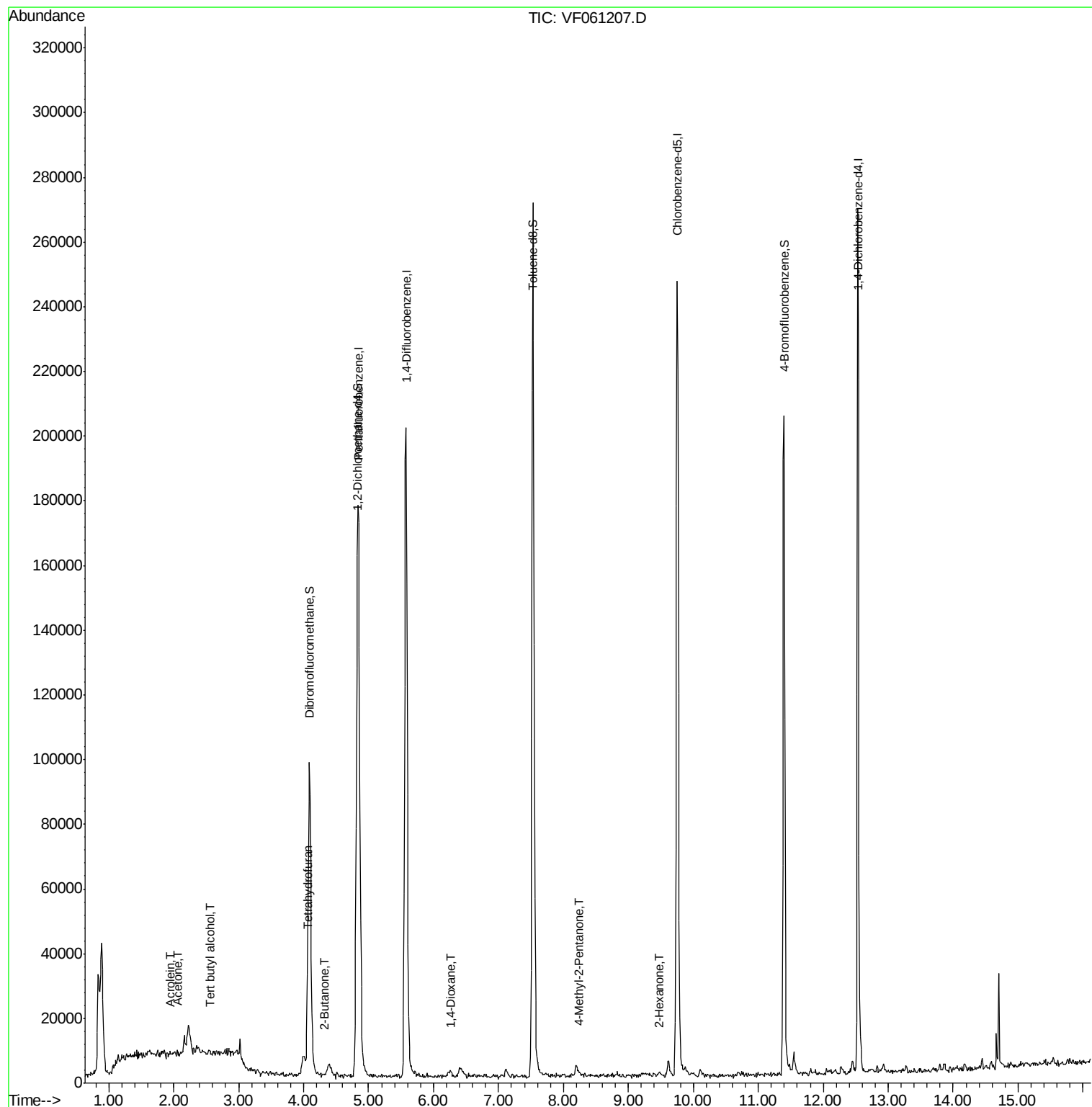
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	304	4.676	ug/l #	65
13) Acrolein	1.94	56	278	5.918	ug/l	96
16) Acetone	2.07	43	723	2.245	ug/l	99
20) Methylene Chloride	2.24	84	4130	Below Cal	#	70
25) 2-Butanone	4.32	43	1631	3.122	ug/l #	57
29) Tetrahydrofuran	4.05	42	312	1.468	ug/l #	37
49) 1,4-Dioxane	6.28	88	82	12.487	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	1542	1.734	ug/l	89
59) 2-Hexanone	9.48	43	1448	2.252	ug/l	77
70) Styrene	10.77	104	437	Below Cal	#	87
78) n-propylbenzene	11.58	91	1110	Below Cal	#	55
87) 1,3-Dichlorobenzene	12.46	146	573	Below Cal	#	45

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

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SB-57(0-5)-GRAB

Quant Time: Dec 27 16:06:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

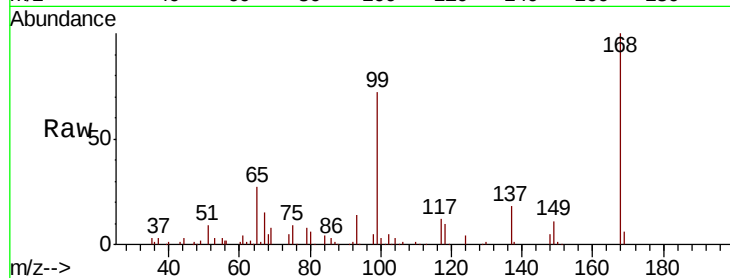
SB-57(0-5)-GRAB

Tot Ion:168 Resp: 125262

Ion Ratio Lower Upper

168 100

99 71.6 54.4 81.6

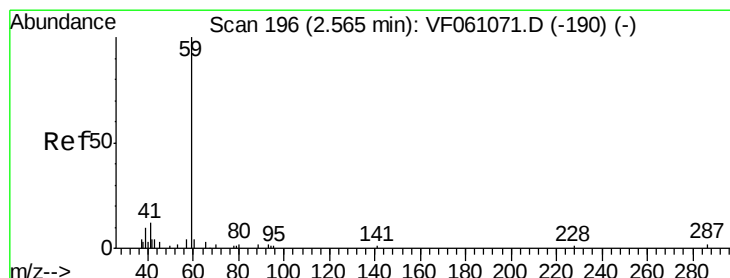
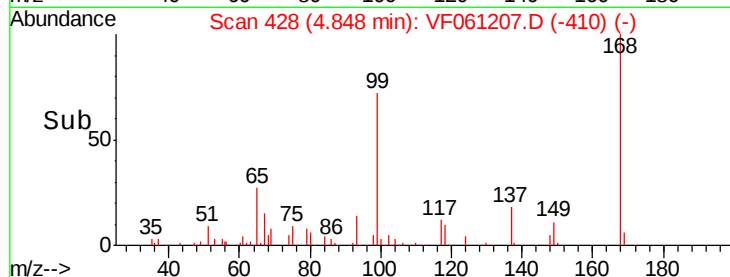


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

Time-->



#11

Tert butyl alcohol

Concen: 4.676 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF061207.D

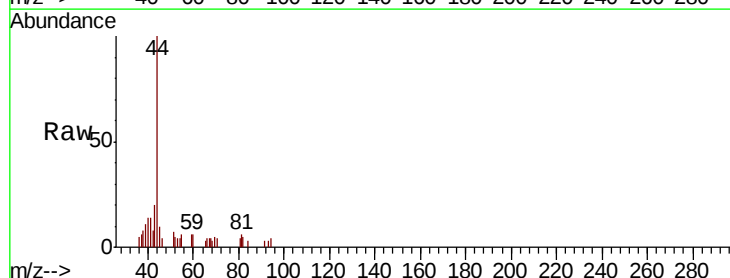
Acq: 27 Dec 2018 14:45

Tgt Ion: 59 Resp: 304

Ion Ratio Lower Upper

59 100

57 0.0 11.5 17.3#

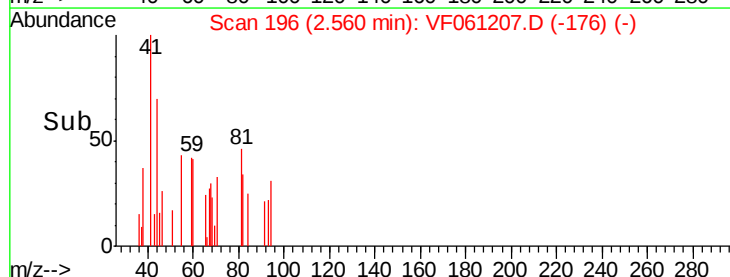


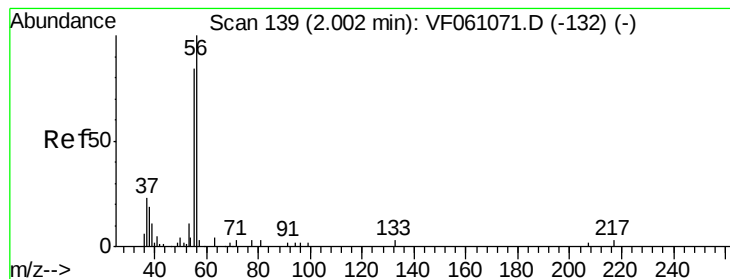
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

Time-->





#13

Acrolein

Concen: 5.918 ug/l

RT: 1.94 min Scan# 133

Delta R.T. -0.06 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

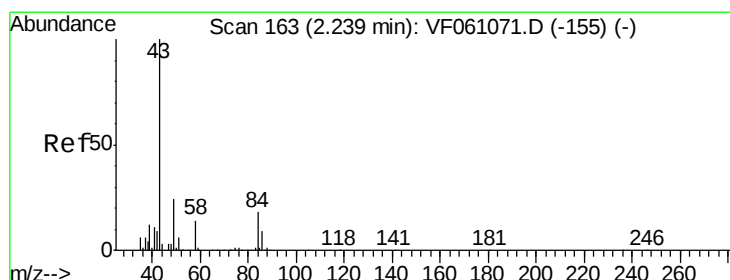
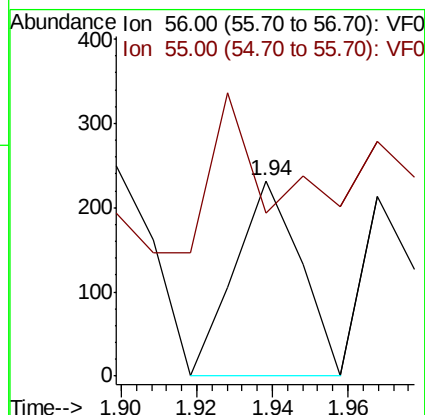
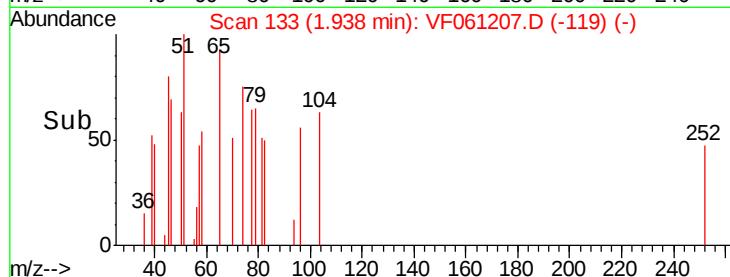
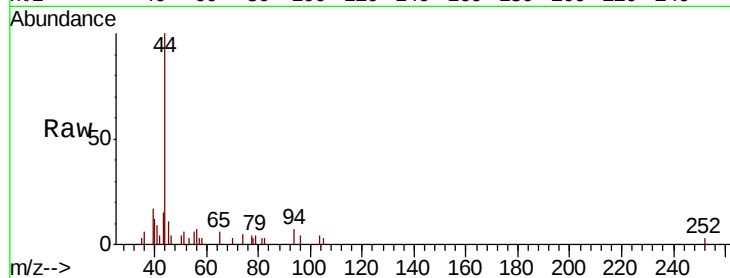
SB-57(0-5)-GRAB

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

56 100

55 83.6 70.2 105.2



#16

Acetone

Concen: 2.245 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.17 min

Lab File: VF061207.D

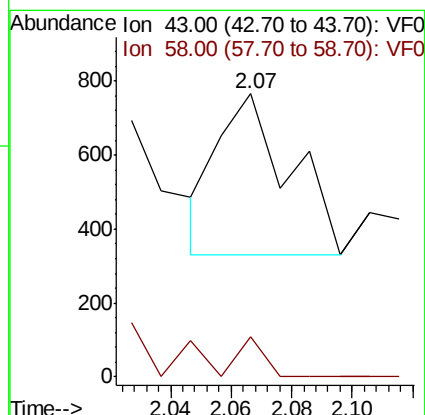
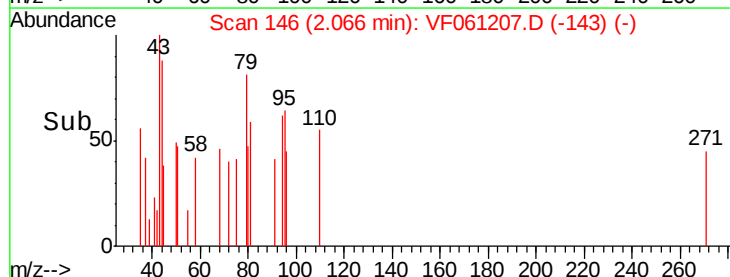
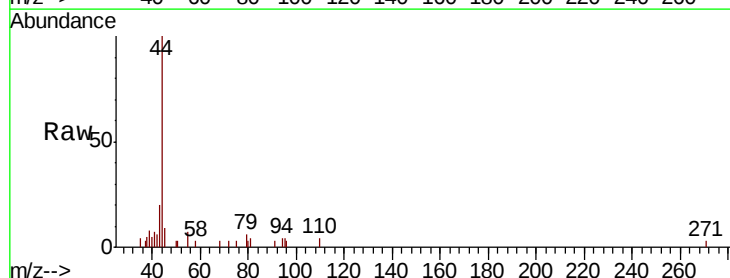
Acq: 27 Dec 2018 14:45

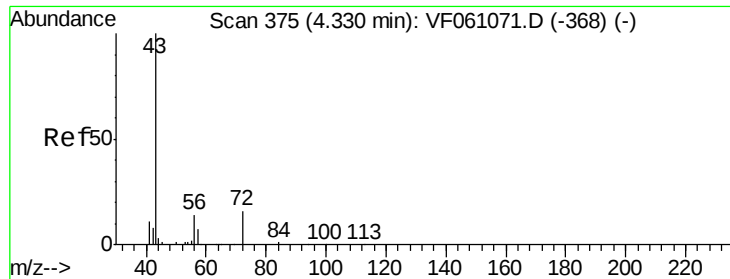
Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

58 14.2 11.1 16.7





#25

2-Butanone

Concen: 3.122 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

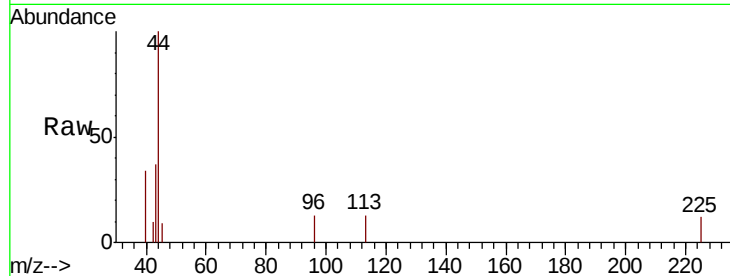
SB-57(0-5)-GRAB

Tot Ion: 43 Resp: 1631

Ion Ratio Lower Upper

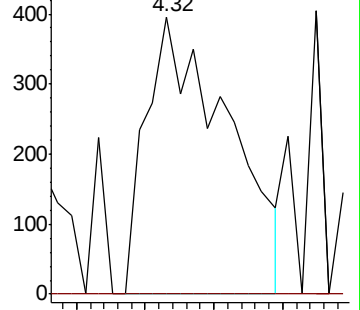
43 100

72 0.0 15.6 23.4#

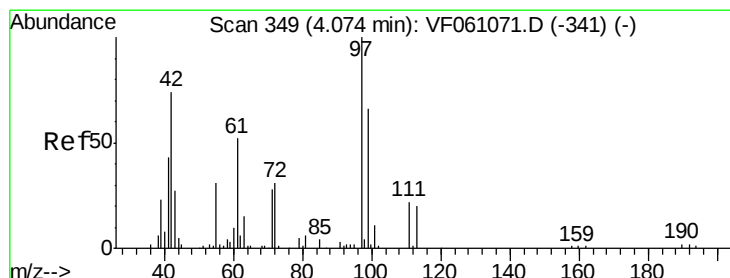
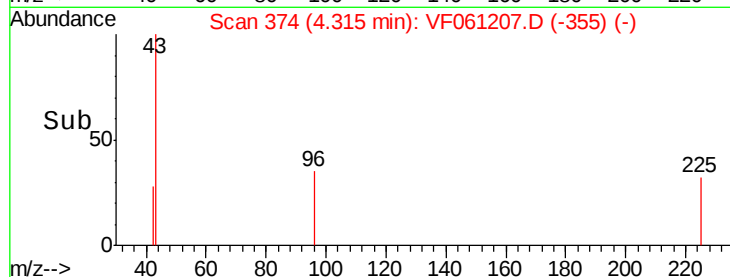


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#29

Tetrahydrofuran

Concen: 1.468 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

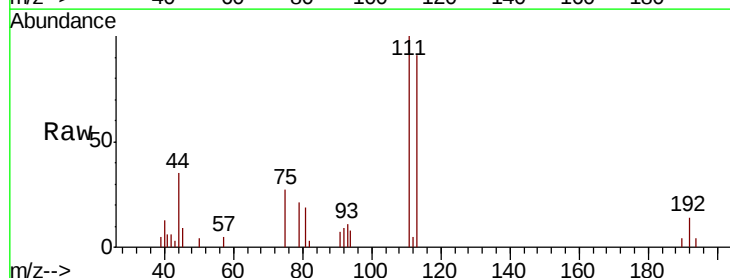
Tgt Ion: 42 Resp: 312

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

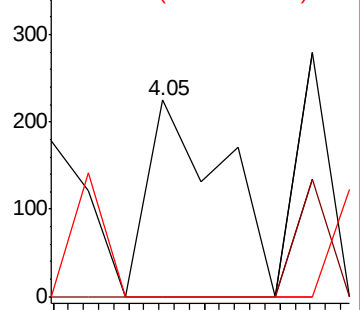
71 0.0 29.7 44.5#



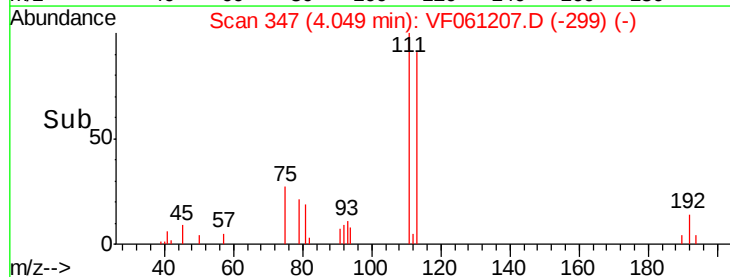
Abundance Ion 42.00 (41.70 to 42.70): VF0

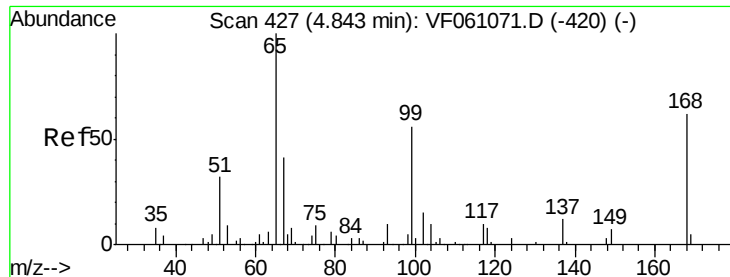
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.378 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

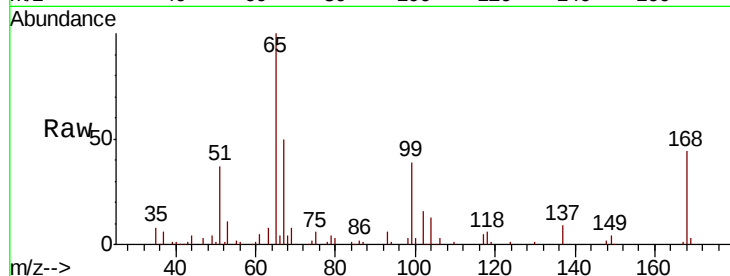
SB-57(0-5)-GRAB

Tot Ion: 65 Resp: 87608

Ion Ratio Lower Upper

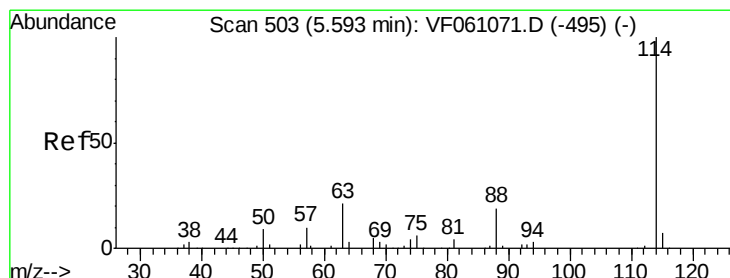
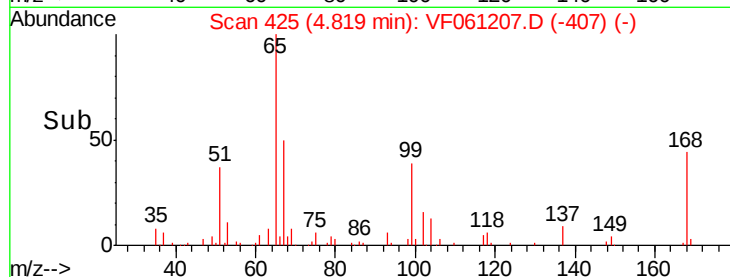
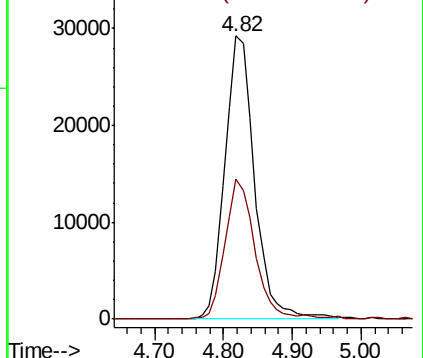
65 100

67 49.6 0.0 94.6



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. -0.01 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

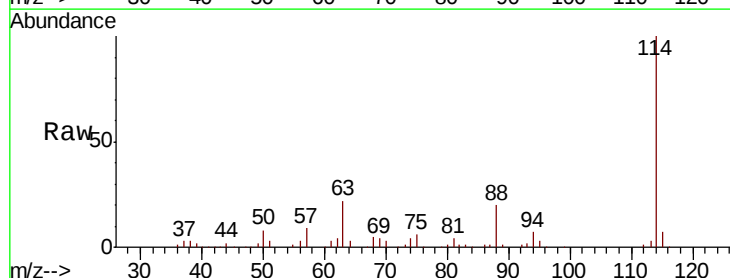
Tgt Ion: 114 Resp: 222423

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

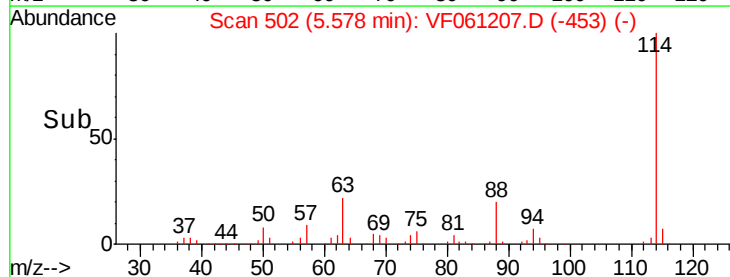
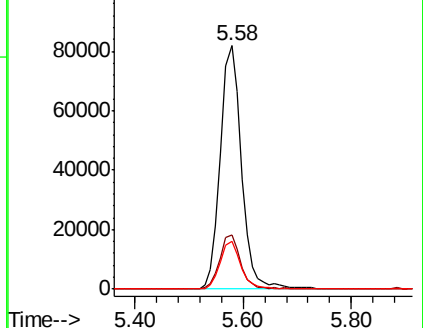
88 19.7 0.0 38.0

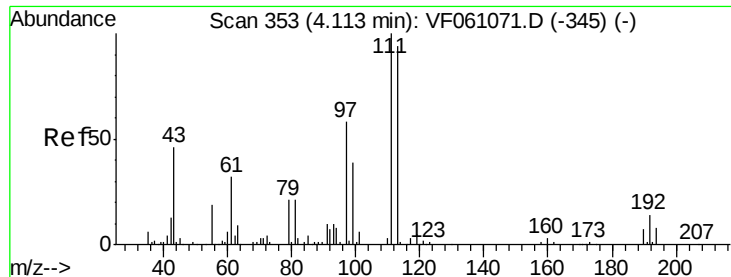


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 53.003 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

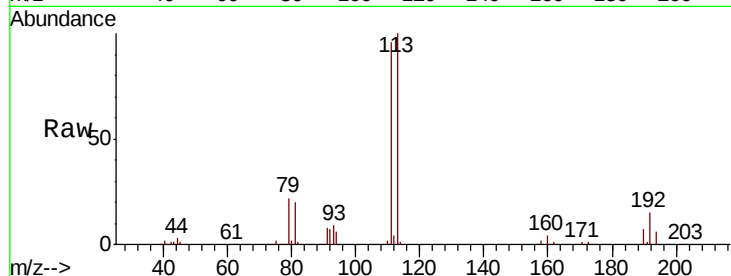
MSVOA_F

ClientSampleId :

SB-57(0-5)-GRAB

Tot Ion:113 Resp: 94437

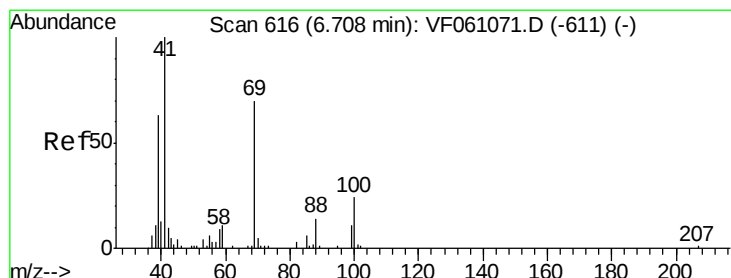
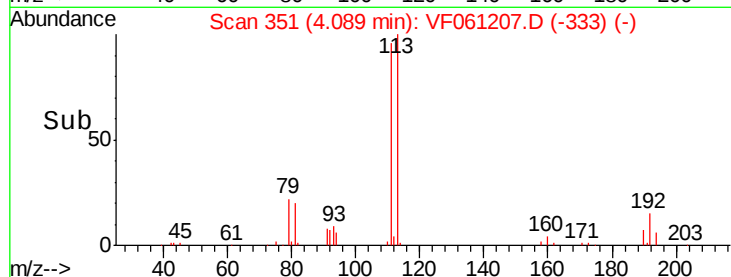
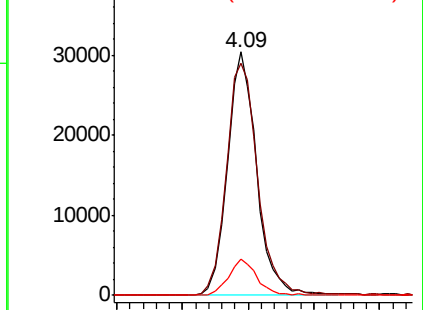
Ion	Ratio	Lower	Upper
113	100		
111	95.5	85.2	127.8
192	14.8	12.8	19.2



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



#49

1,4-Dioxane

Concen: 12.487 ug/l

RT: 6.28 min Scan# 573

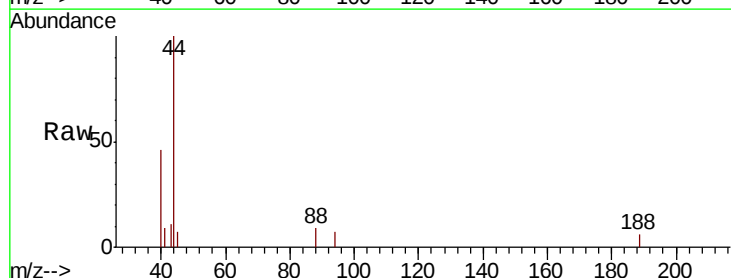
Delta R.T. -0.43 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Tgt Ion: 88 Resp: 82

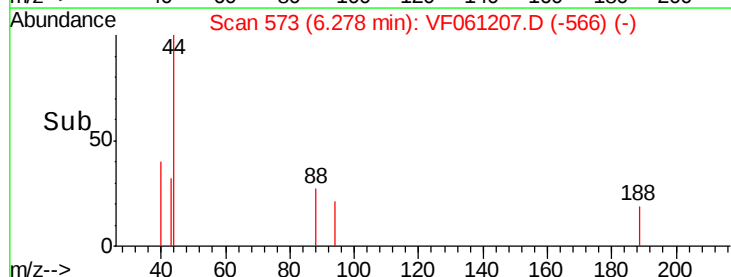
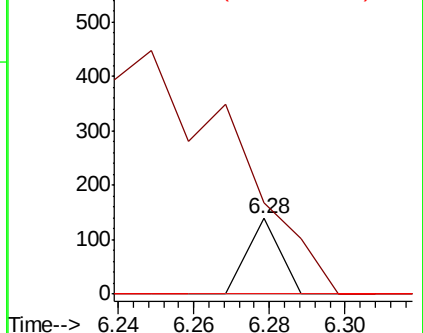
Ion	Ratio	Lower	Upper
88	100		
43	120.1	33.3	49.9#
58	0.0	53.2	79.8#

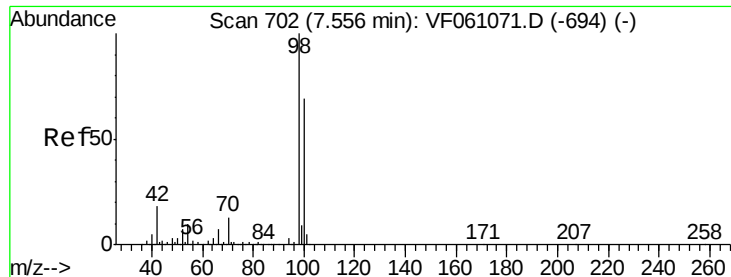


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 45.161 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

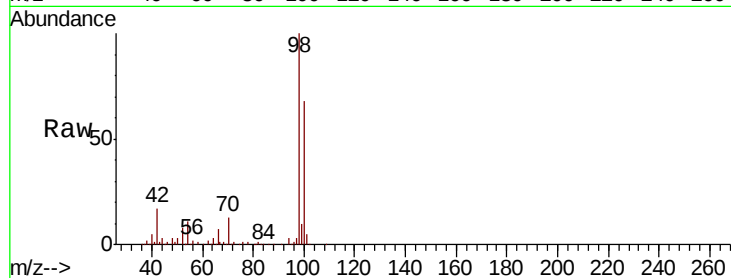
SB-57(0-5)-GRAB

Tot Ion: 98 Resp: 228027

Ion Ratio Lower Upper

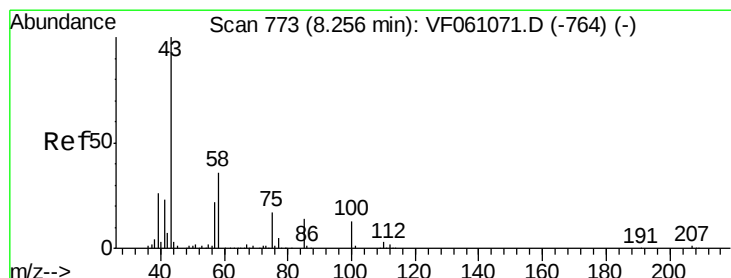
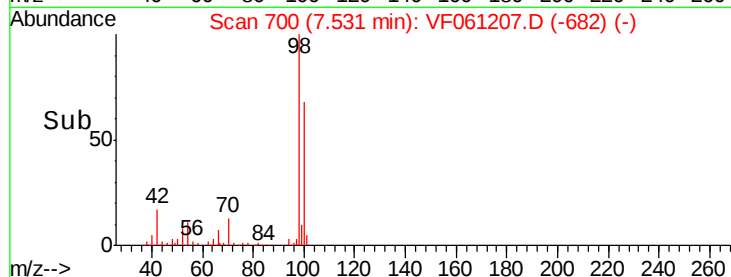
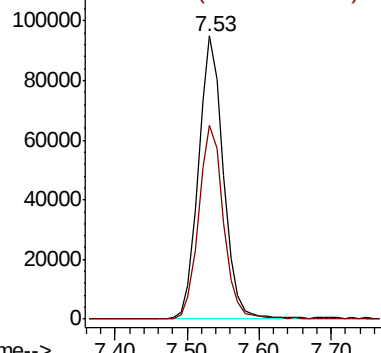
98 100

100 68.5 55.3 82.9



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: 1.734 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061207.D

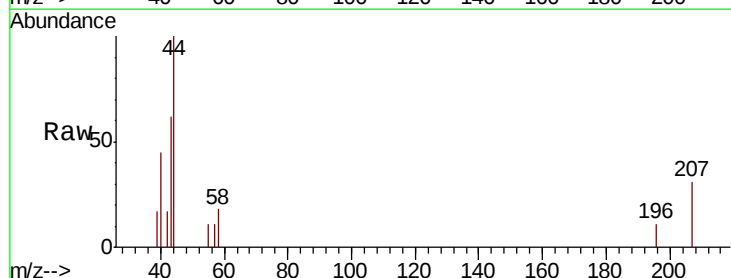
Acq: 27 Dec 2018 14:45

Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

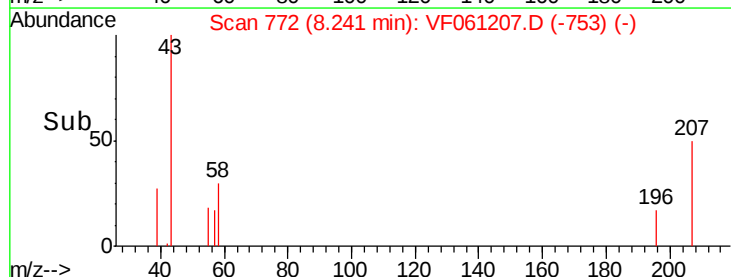
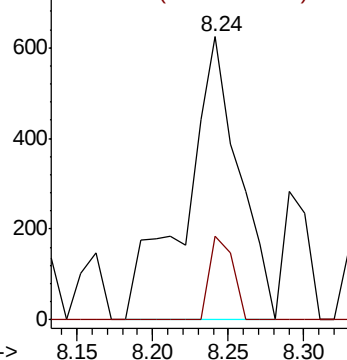
43 100

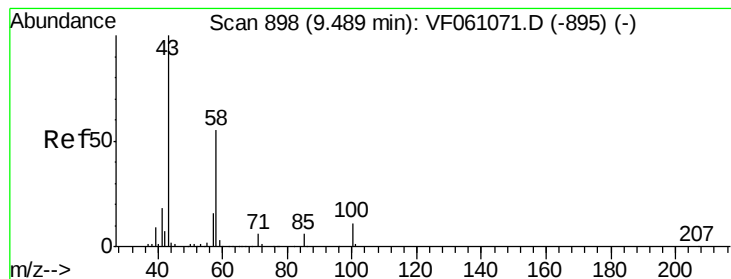
58 29.6 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#59

2-Hexanone

Concen: 2.252 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

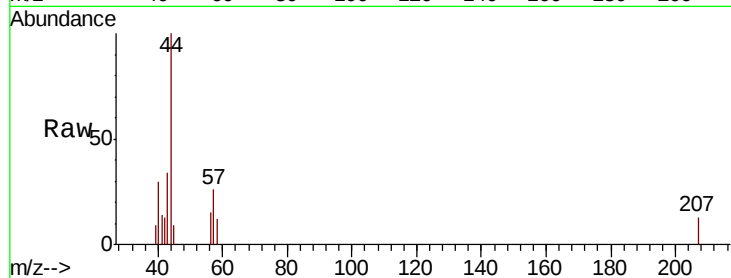
SB-57(0-5)-GRAB

Tot Ion: 43 Resp: 1448

Ion Ratio Lower Upper

43 100

58 34.4 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.48

400

300

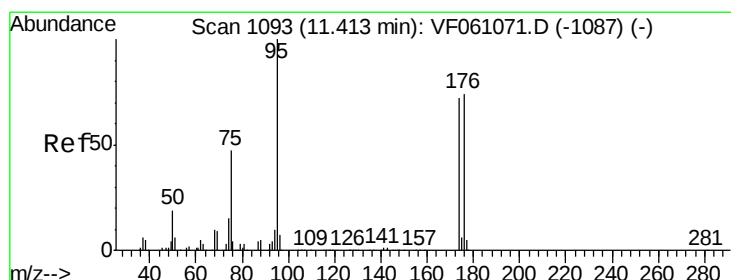
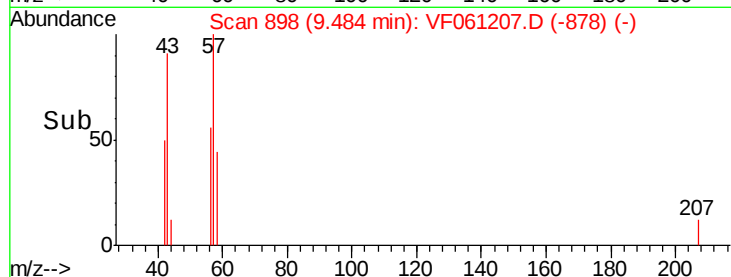
200

100

0

9.40 9.45 9.50 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: 36.673 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061207.D

Acq: 27 Dec 2018 14:45

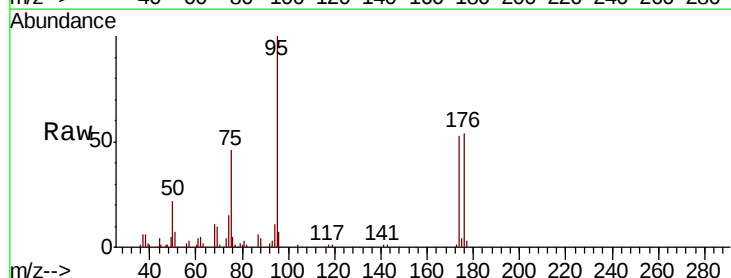
Tgt Ion: 95 Resp: 85366

Ion Ratio Lower Upper

95 100

174 53.5 0.0 143.8

176 54.5 0.0 147.6



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

60000

50000

40000

30000

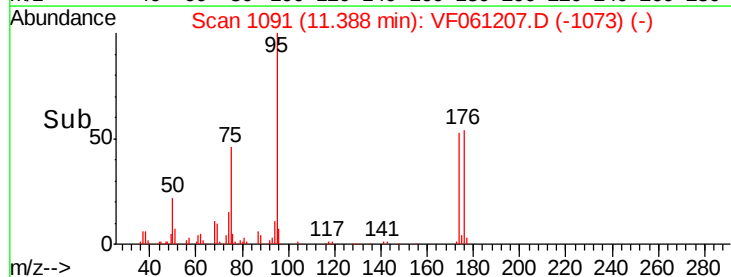
20000

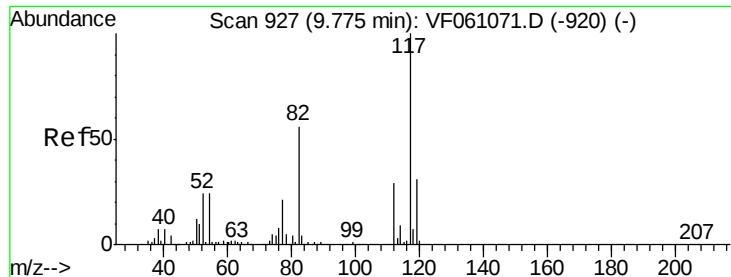
10000

0

11.30 11.40 11.50

Time-->

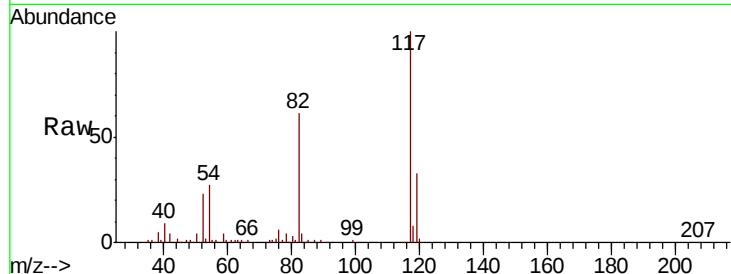




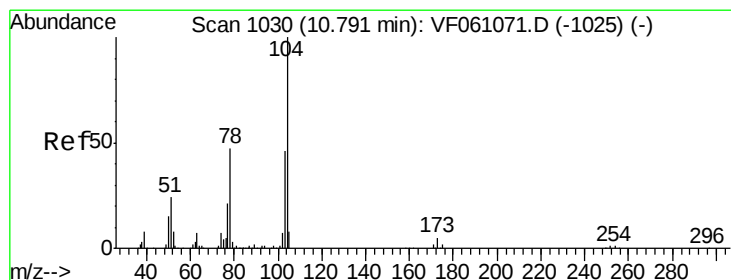
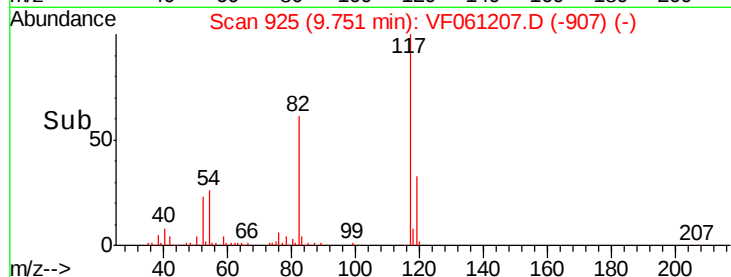
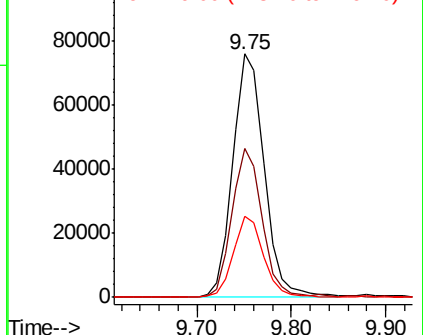
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061207.D
Acq: 27 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
SB-57(0-5)-GRAB

Tot Ion:117 Resp: 175518
Ion Ratio Lower Upper
117 100
82 61.3 45.0 67.4
119 33.5 24.8 37.2

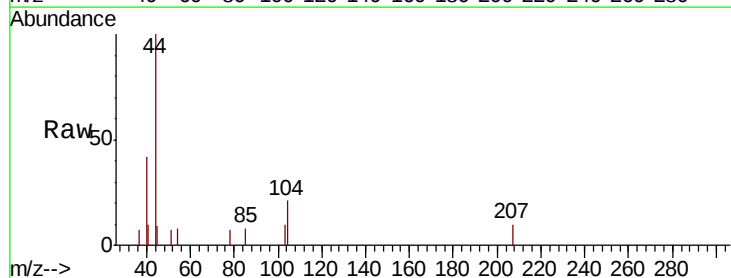


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

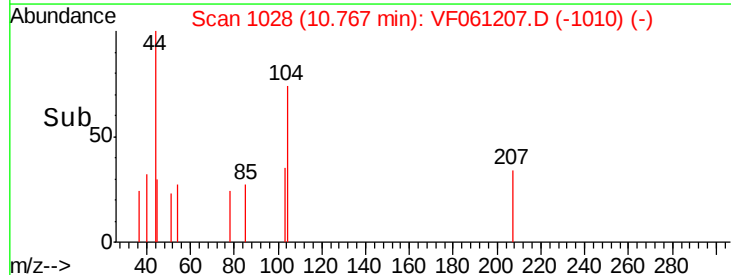
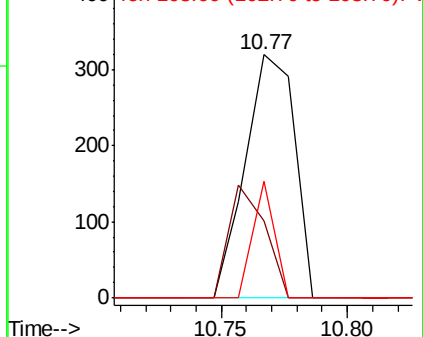


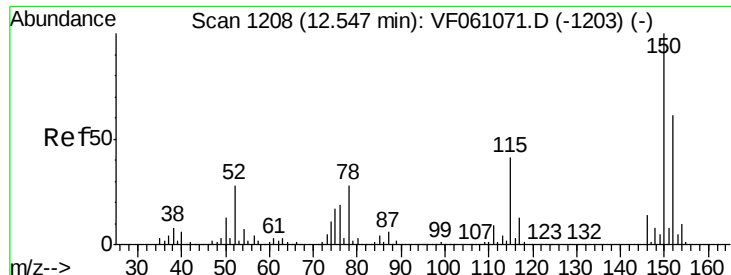
#70
Styrene
Concen: Below Cal
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061207.D
Acq: 27 Dec 2018 14:45

Tgt Ion:104 Resp: 437
Ion Ratio Lower Upper
104 100
78 31.9 38.4 57.6#
103 47.8 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



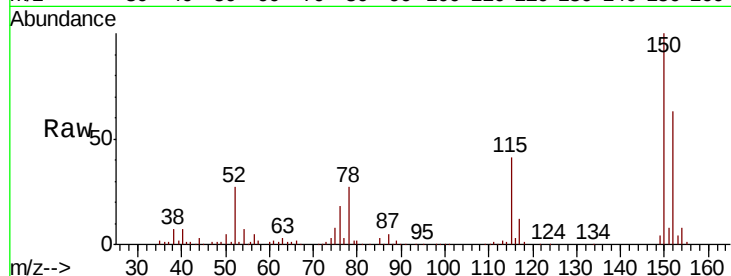


#72

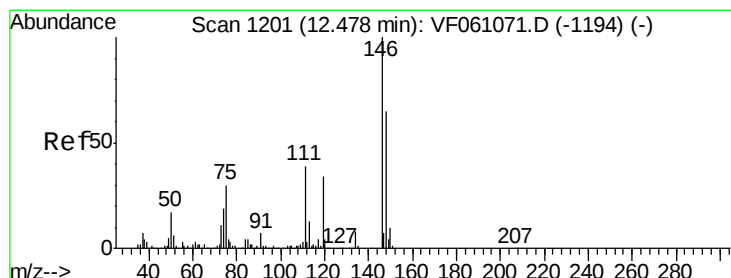
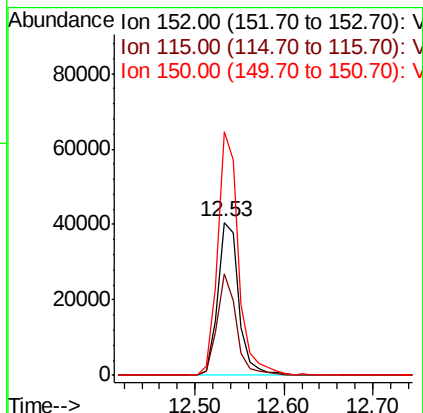
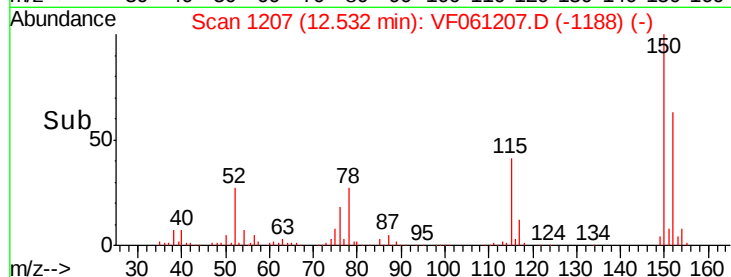
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061207.D
Acq: 27 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
SB-57(0-5)-GRAB

Tot Ion:152 Resp: 67442
Ion Ratio Lower Upper
152 100
115 66.1 33.3 99.9
150 159.3 0.0 328.2



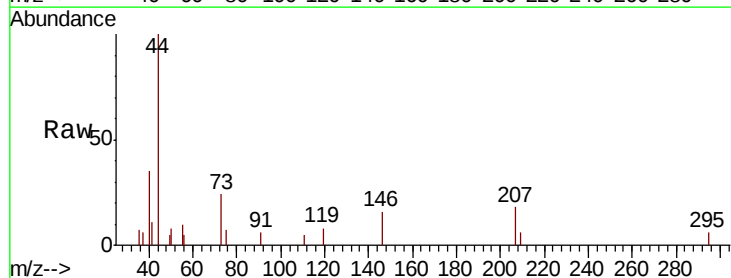
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#87

1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.46 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VF061207.D
Acq: 27 Dec 2018 14:45

Tgt Ion:146 Resp: 573
Ion Ratio Lower Upper
146 100
111 33.3 19.3 57.9
148 0.0 32.4 97.2#



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

