

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061752.D
 Acq On : 26 Feb 2019 20:25
 Operator : VA/AP
 Sample : K1627-06
 Misc : 6.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03-(2-5)

Quant Time: Feb 27 04:09:19 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

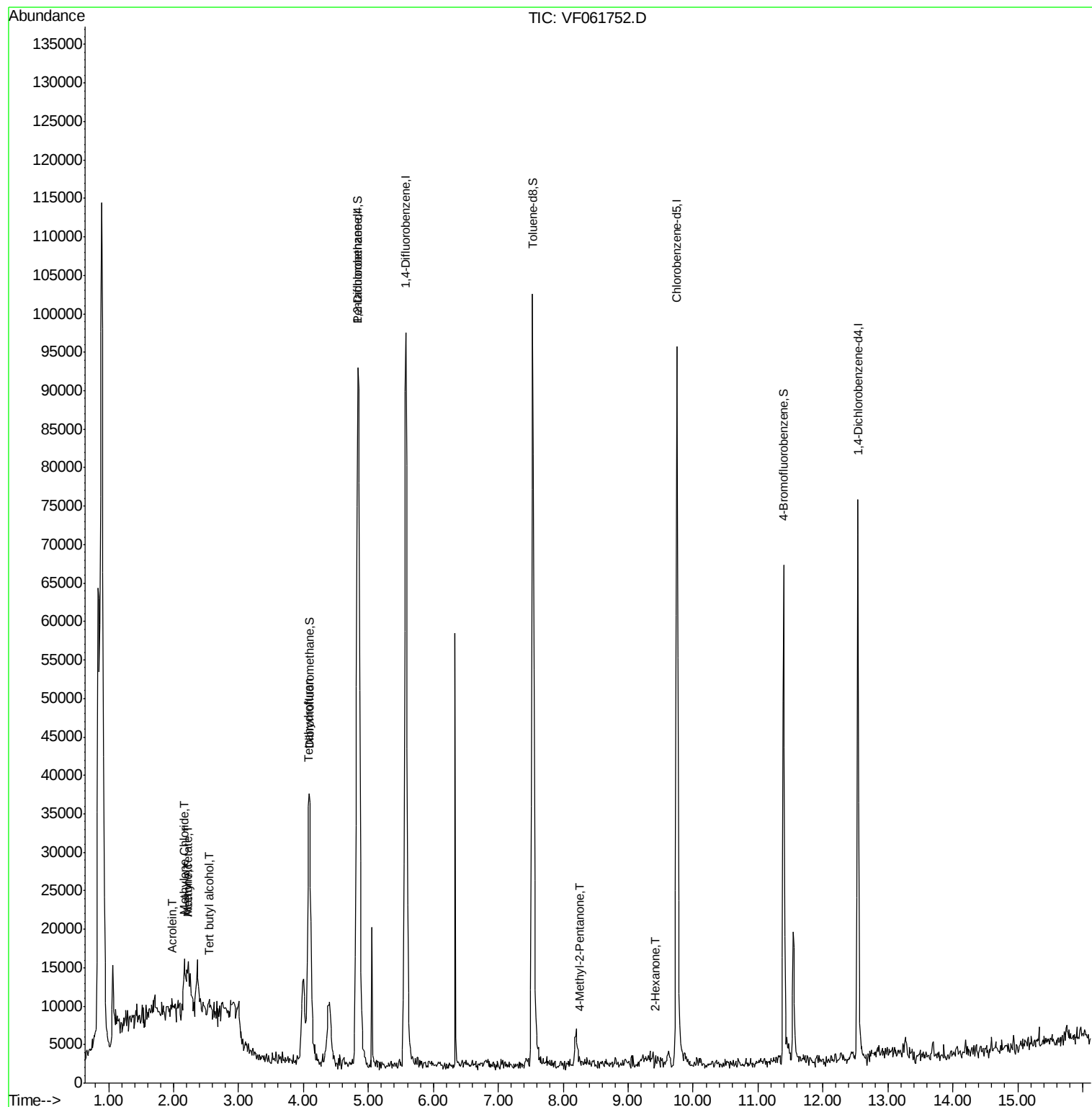
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	93146	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	119489	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	77813	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	22904	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	24165	35.38	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	70.76%	
35) Dibromofluoromethane	4.10	113	35382	39.87	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	79.74%	
50) Toluene-d8	7.53	98	90445	35.46	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	70.92%	
62) 4-Bromofluorobenzene	11.40	95	25350	24.56	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	49.12%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	64	1.619	ug/l #	1
13) Acrolein	1.99	56	275	5.535	ug/l #	31
16) Acetone	2.22	43	2379	16.233	ug/l #	74
18) Methyl Acetate	2.22	43	2379	7.206	ug/l	96
20) Methylene Chloride	2.17	84	4486	3.361	ug/l #	78
29) Tetrahydrofuran	4.07	42	480	3.299	ug/l #	43
51) 4-Methyl-2-Pentanone	8.26	43	628	1.351	ug/l #	34
59) 2-Hexanone	9.43	43	420	1.289	ug/l #	23

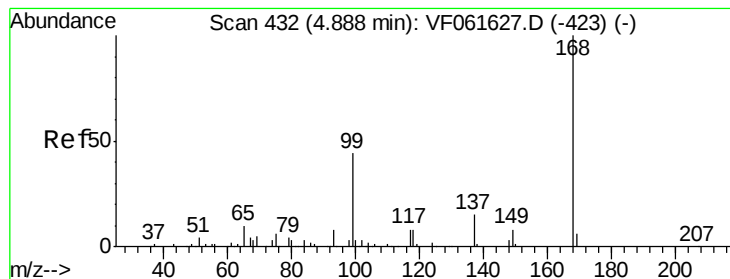
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061752.D

Acq: 26 Feb 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

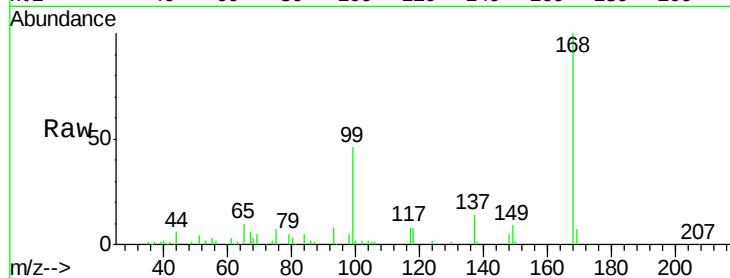
SB-03-(2-5)

Tot Ion:168 Resp: 93146

Ion Ratio Lower Upper

168 100

99 45.9 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

30000

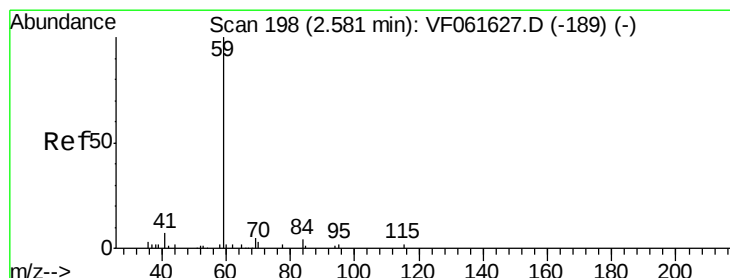
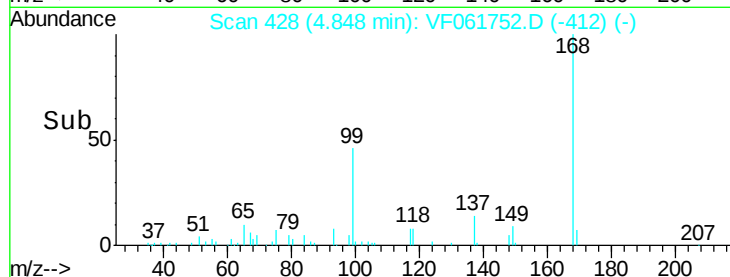
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#11

Tert butyl alcohol

Concen: 1.619 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061752.D

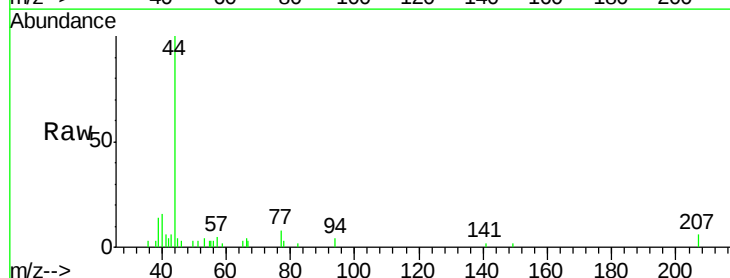
Acq: 26 Feb 2019 20:25

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 189.8 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

250

200

150

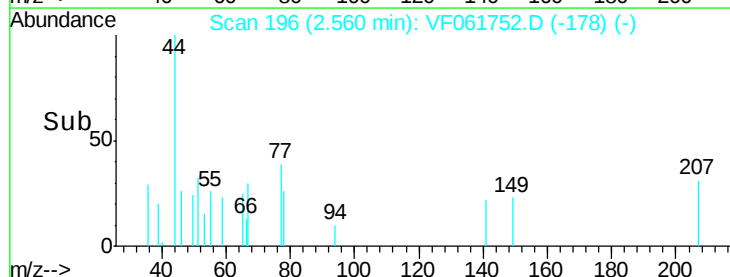
100

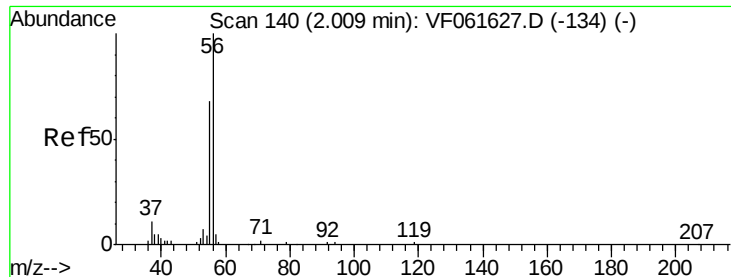
50

0

2.54 2.56 2.58

Time-->





#13

Acrolein

Concen: 5.535 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061752.D

Acq: 26 Feb 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

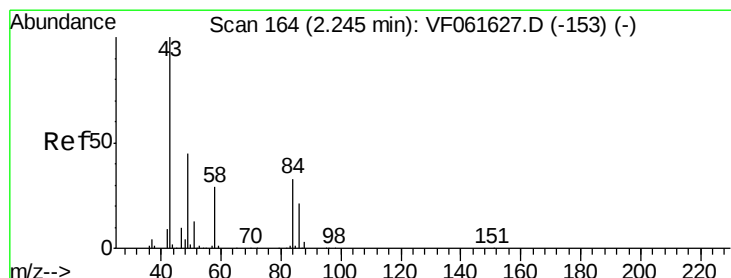
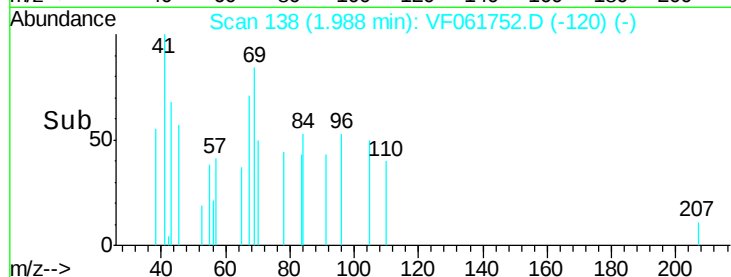
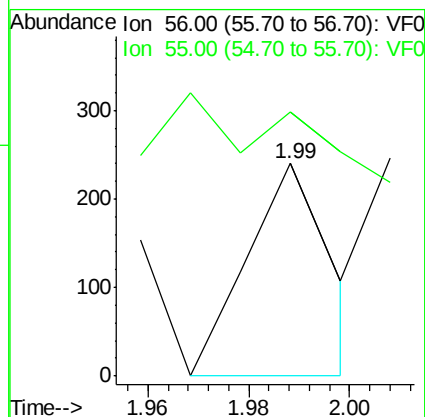
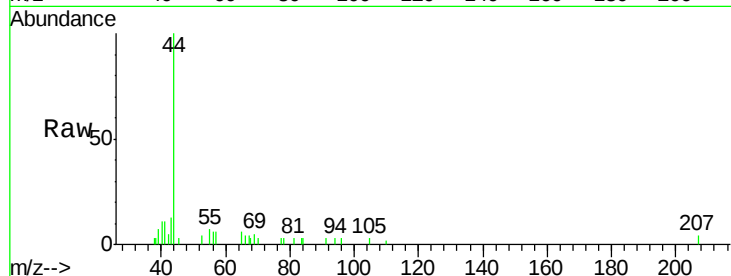
SB-03-(2-5)

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 124.6 55.0 82.6#



#16

Acetone

Concen: 16.233 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061752.D

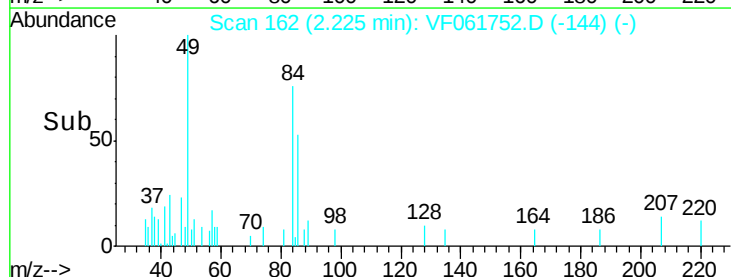
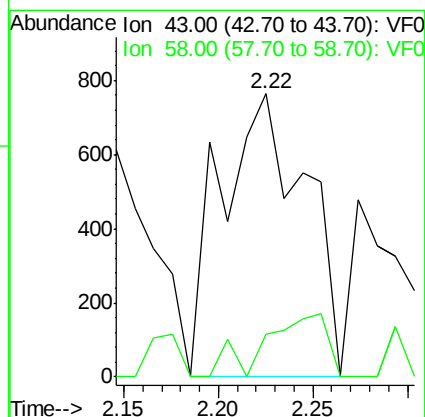
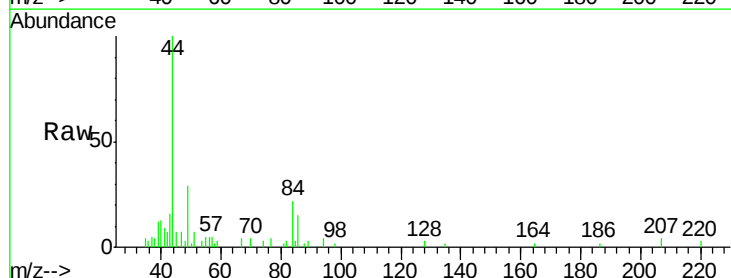
Acq: 26 Feb 2019 20:25

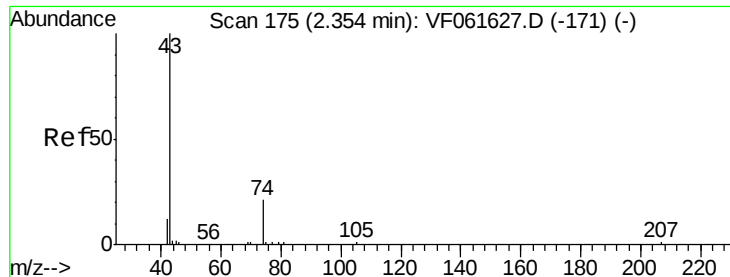
Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

58 15.1 22.9 34.3#

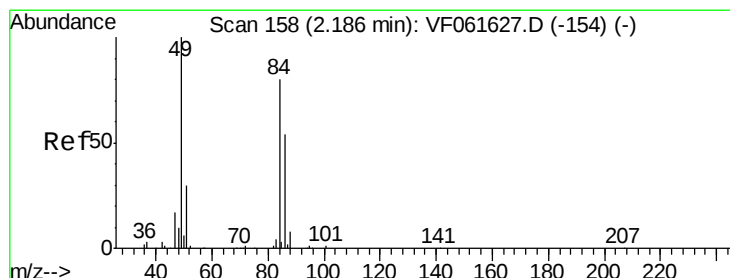
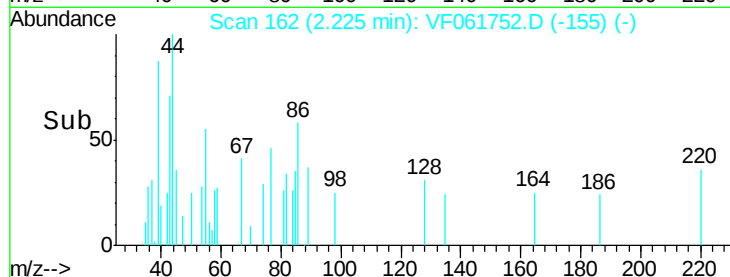
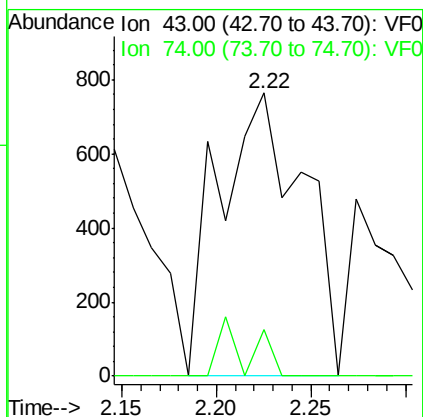
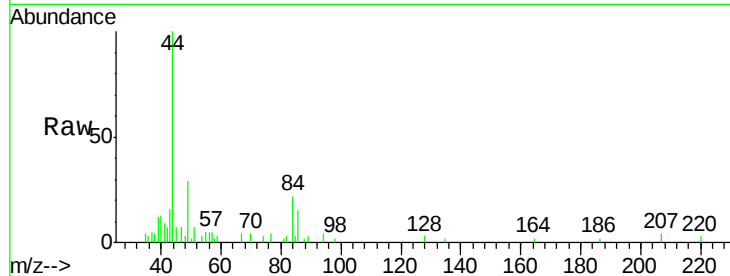




#18
Methyl Acetate
Concen: 7.206 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.13 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

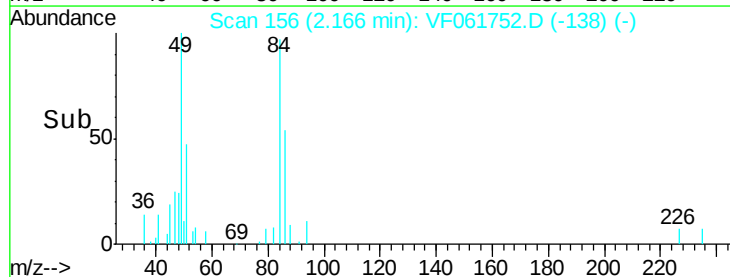
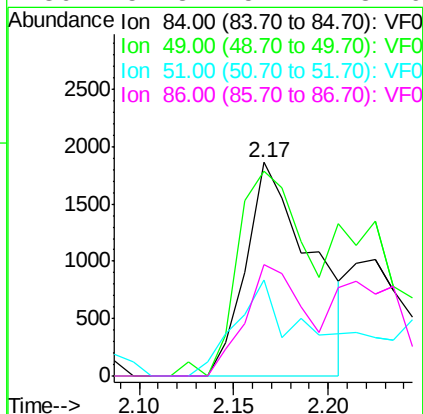
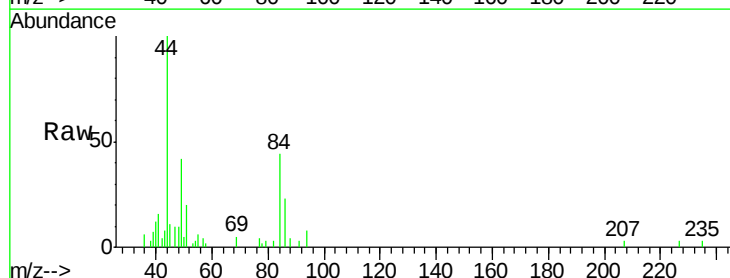
Instrument :
MSVOA_F
ClientSampleId :
SB-03-(2-5)

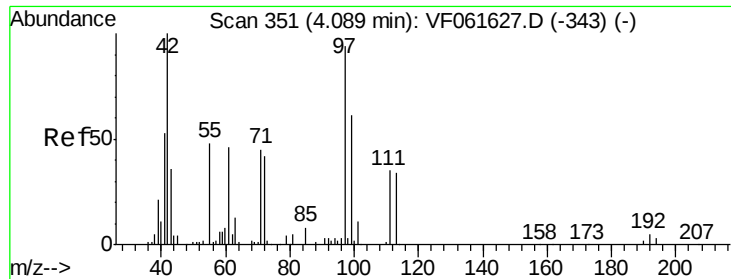
Tot Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
74 16.5 14.6 21.8



#20
Methylene Chloride
Concen: 3.361 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

Tgt Ion: 84 Resp: 4486
Ion Ratio Lower Upper
84 100
49 96.1 101.8 152.8#
51 44.7 31.1 46.7
86 52.3 54.4 81.6#

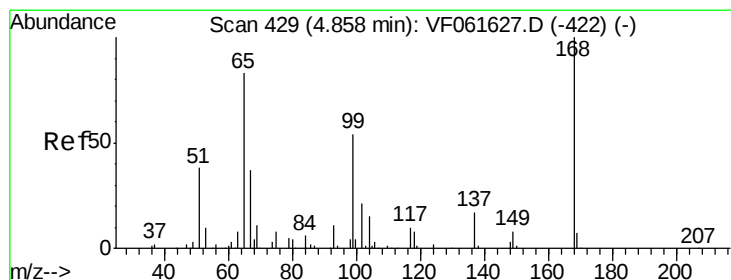
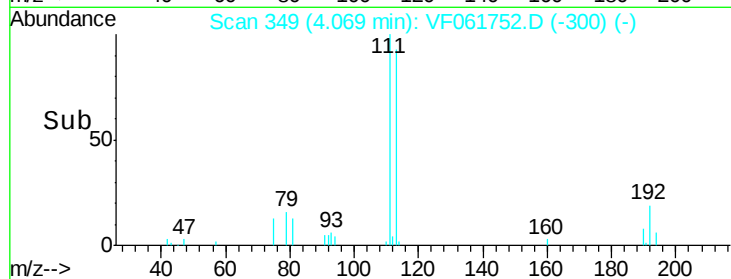
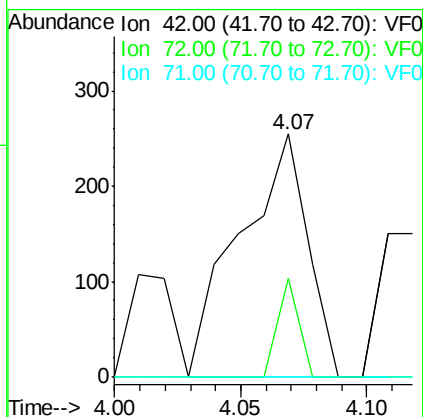
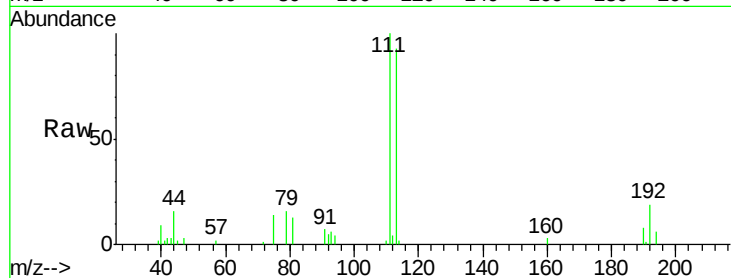




#29
Tetrahydrofuran
Concen: 3.299 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

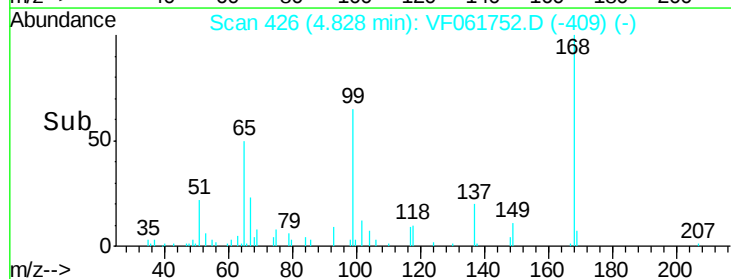
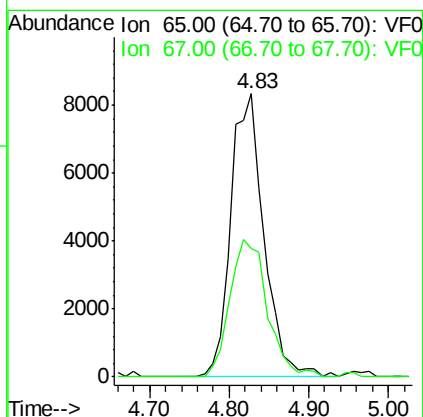
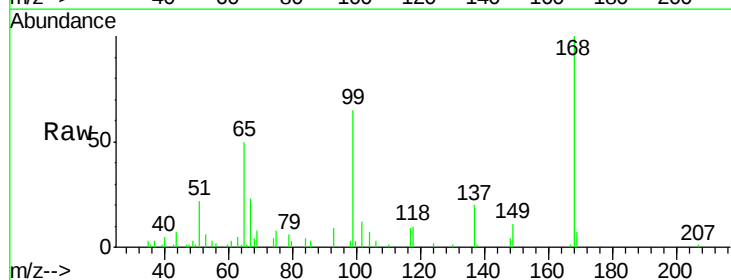
Instrument :
MSVOA_F
ClientSampleId :
SB-03-(2-5)

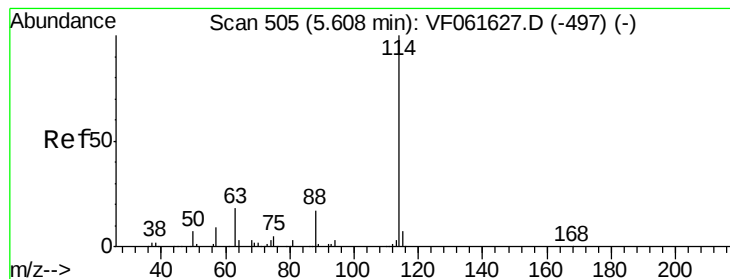
Tot Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 12.7 35.2 52.8#
71 0.0 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 35.378 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

Tgt Ion: 65 Resp: 24165
Ion Ratio Lower Upper
65 100
67 45.5 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: VF061752.D

Acq: 26 Feb 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

SB-03-(2-5)

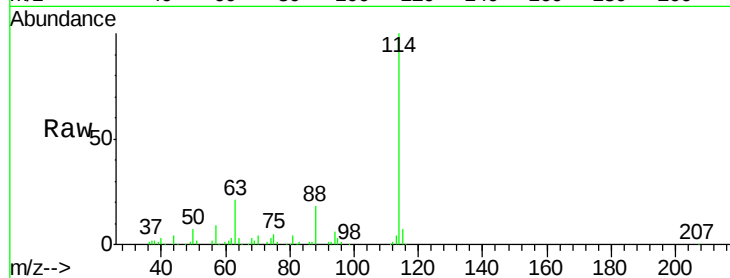
Tot Ion:114 Resp: 119489

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.6

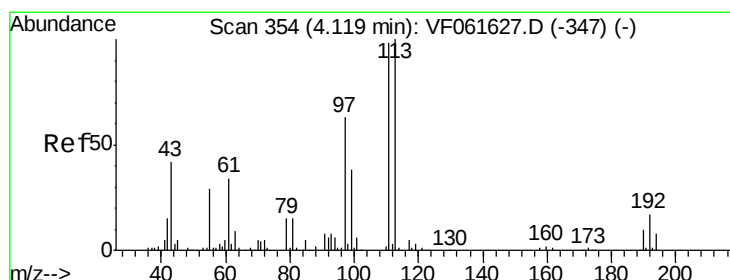
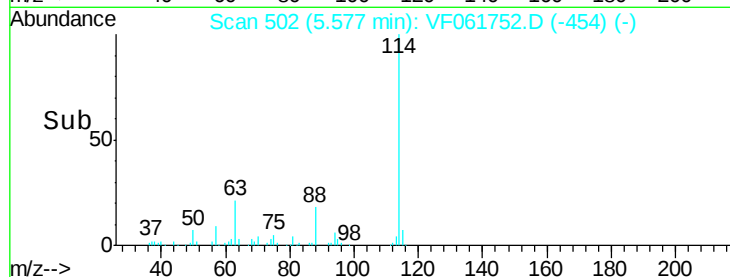
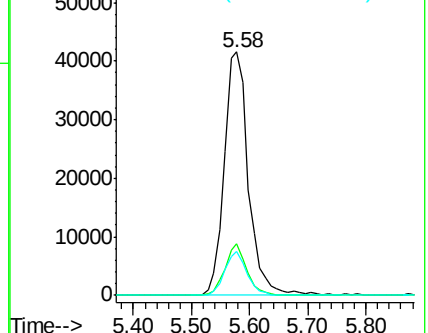
88 18.1 0.0 34.4



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: 39.874 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061752.D

Acq: 26 Feb 2019 20:25

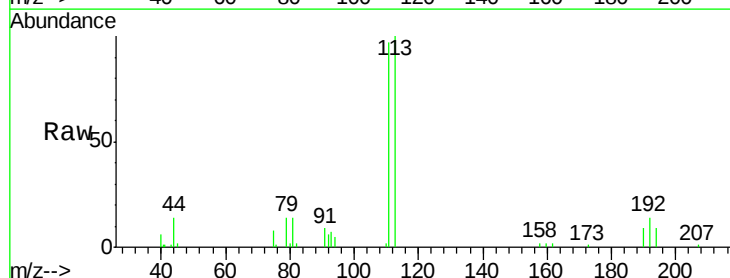
Tgt Ion:113 Resp: 35382

Ion Ratio Lower Upper

113 100

111 96.5 78.8 118.2

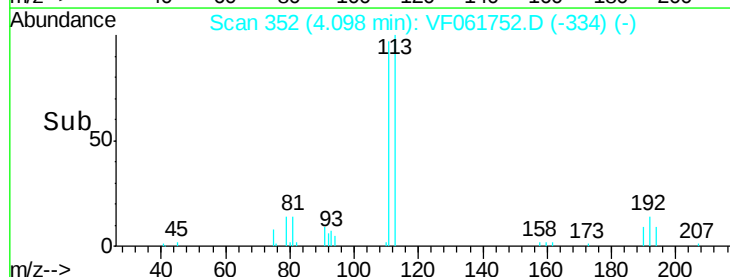
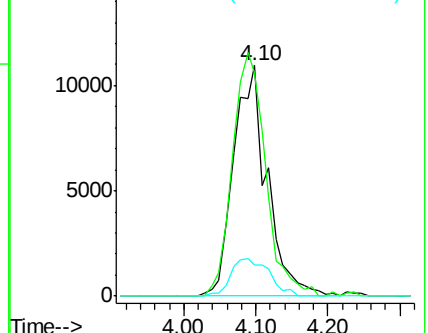
192 13.6 13.4 20.0

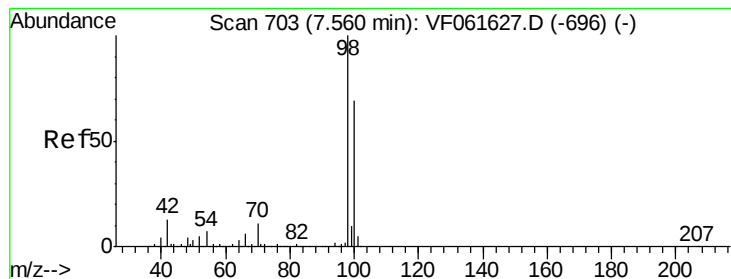


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 35.457 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061752.D

Acq: 26 Feb 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

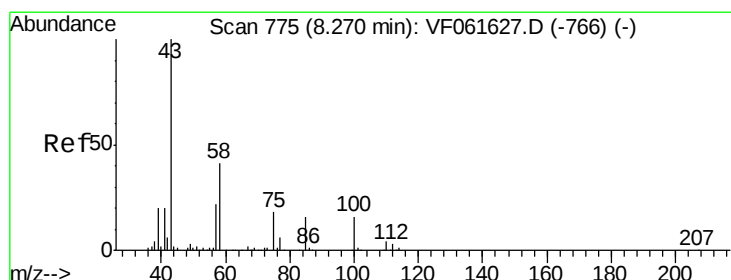
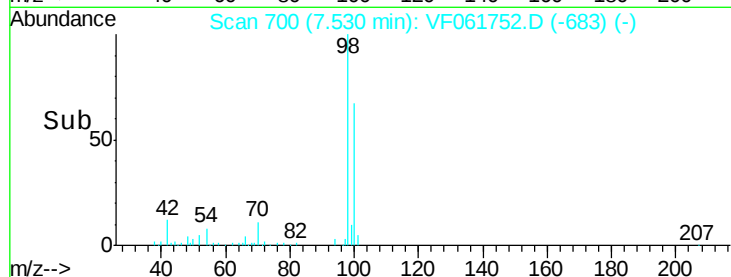
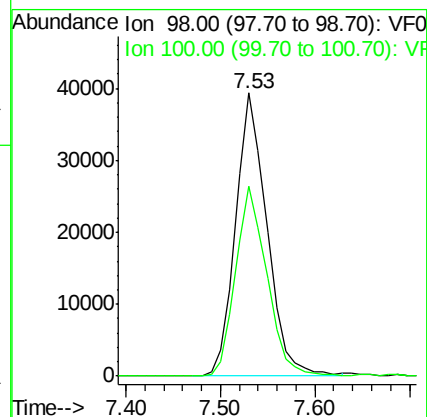
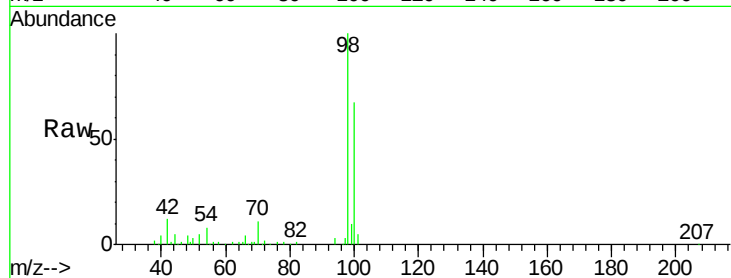
SB-03-(2-5)

Tot Ion: 98 Resp: 90445

Ion Ratio Lower Upper

98 100

100 67.0 55.4 83.2



#51

4-Methyl-2-Pentanone

Concen: 1.351 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061752.D

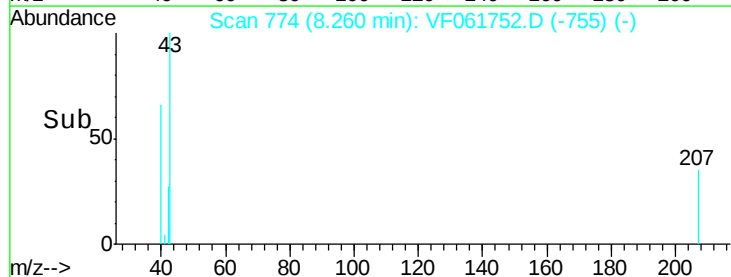
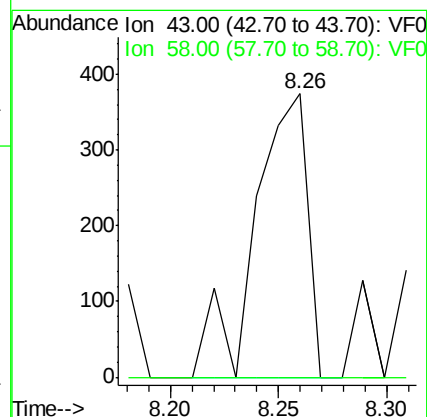
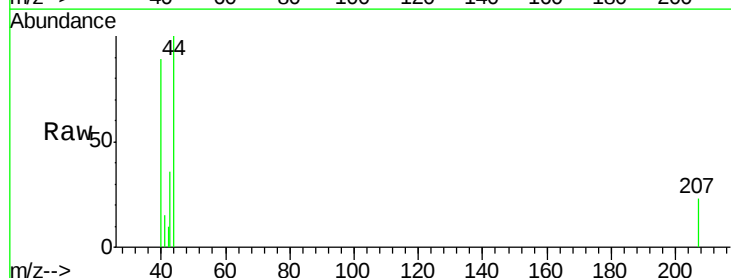
Acq: 26 Feb 2019 20:25

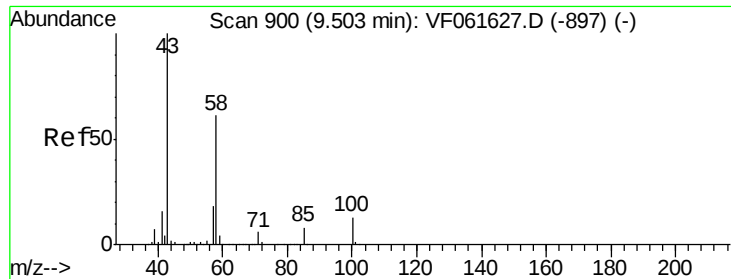
Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#

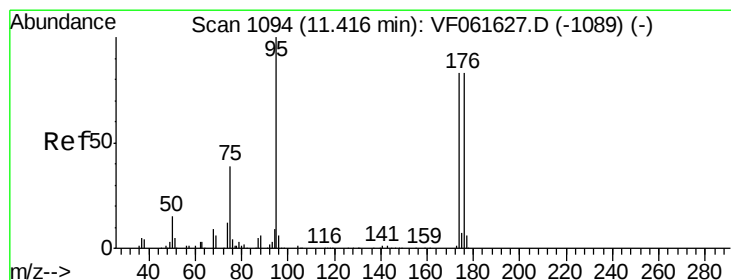
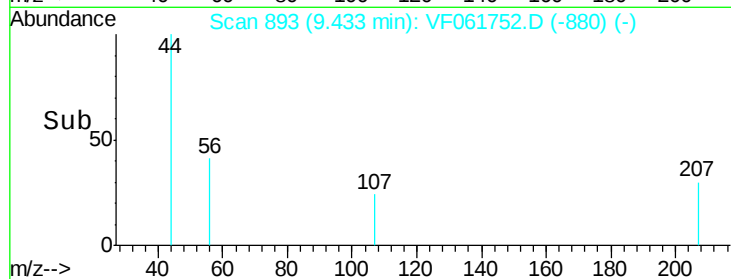
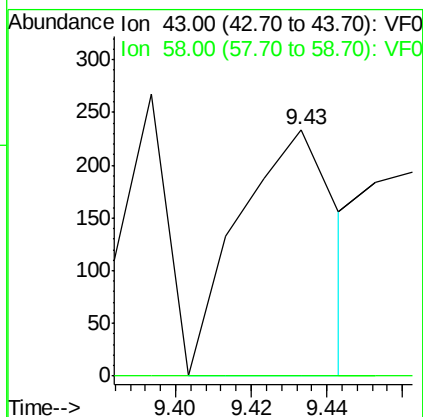
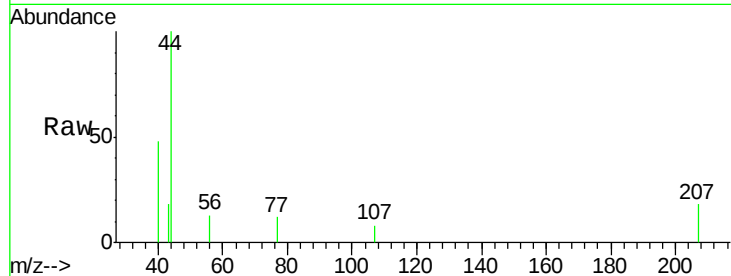




#59
2-Hexanone
Concen: 1.289 ug/l
RT: 9.43 min Scan# 893
Delta R.T. -0.07 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

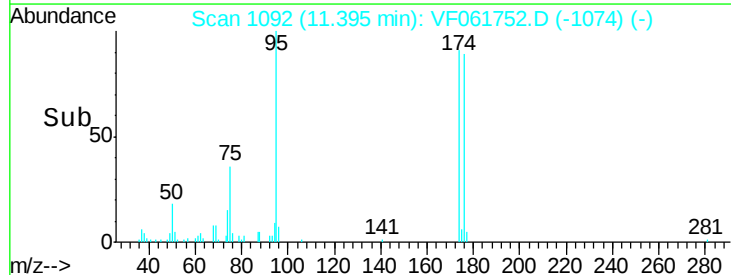
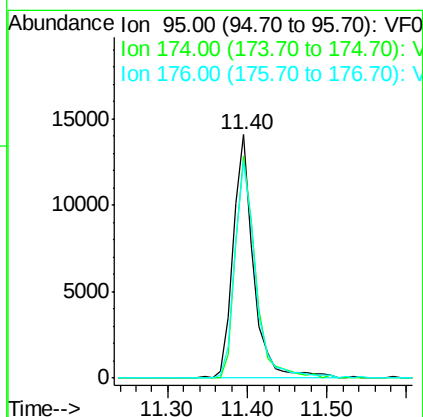
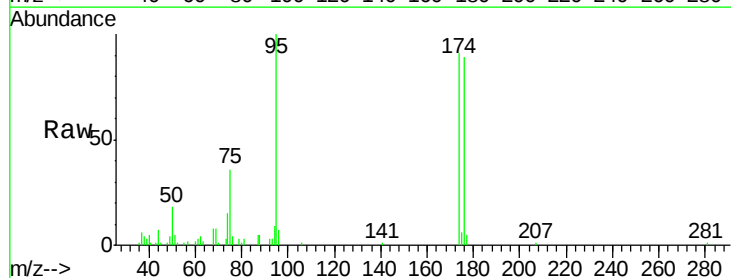
Instrument :
MSVOA_F
ClientSampled :
SB-03-(2-5)

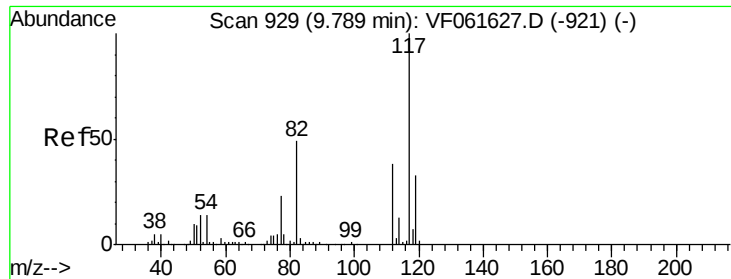
Tot Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 24.561 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

Tgt Ion: 95 Resp: 25350
Ion Ratio Lower Upper
95 100
174 90.9 0.0 165.8
176 89.0 0.0 167.0

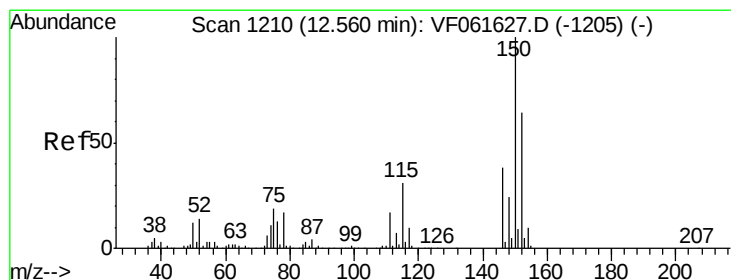
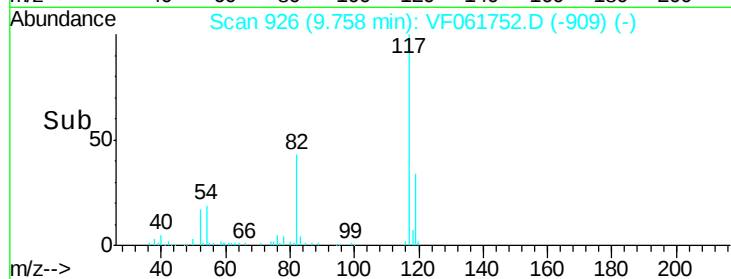
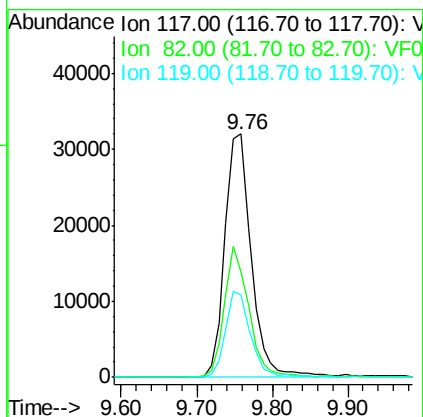
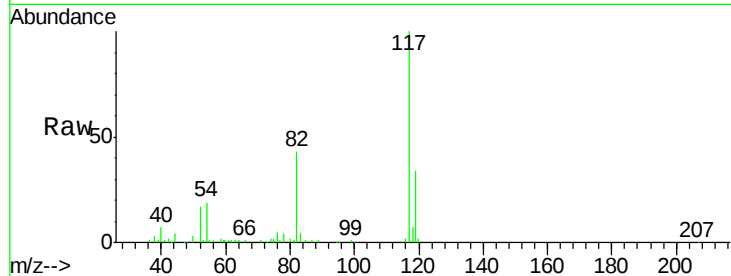




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061752.D
Acq: 26 Feb 2019 20:25

Instrument :
MSVOA_F
ClientSampleId :
SB-03-(2-5)

Tot Ion:117 Resp: 77813
Ion Ratio Lower Upper
117 100
82 43.5 39.3 58.9
119 34.0 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: VF061752.D
Acq: 26 Feb 2019 20:25

Tgt Ion:152 Resp: 22904
Ion Ratio Lower Upper
152 100
115 45.9 24.3 72.8
150 162.0 0.0 312.0

