

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
 Data File : VF061686.D
 Acq On : 18 Feb 2019 18:53
 Operator : VA/AP
 Sample : K1525-07
 Misc : 5.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-14-D

Quant Time: Feb 19 01:58:53 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	4.86	168	329502	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	535661	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	430074	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	200731	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	124662	51.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.18%	
35) Dibromofluoromethane	4.11	113	188289	47.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.66%	
50) Toluene-d8	7.55	98	465253	40.69	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.38%	
62) 4-Bromofluorobenzene	11.40	95	177544	38.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	76.74%	

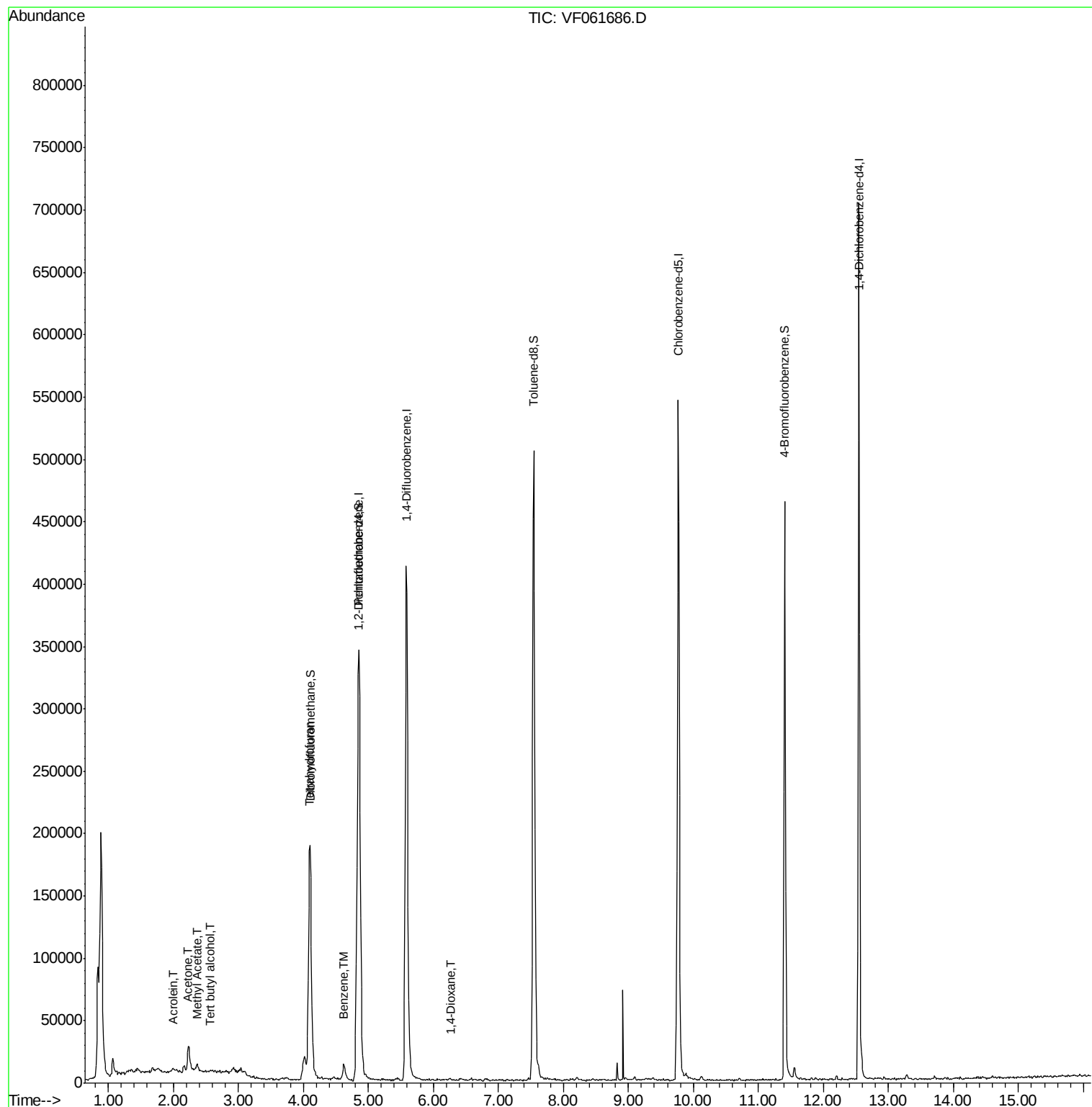
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	1818	13.001	ug/l #	82
13) Acrolein	2.00	56	766	4.358	ug/l #	1
16) Acetone	2.23	43	30132	58.122	ug/l #	89
18) Methyl Acetate	2.36	43	3190	2.731	ug/l #	77
20) Methylene Chloride	2.18	84	1595	Below Cal	#	71
29) Tetrahydrofuran	4.09	42	1789	3.476	ug/l #	60
40) Benzene	4.62	78	14939	1.076	ug/l	98
49) 1,4-Dioxane	6.26	88	63	3.817	ug/l #	1

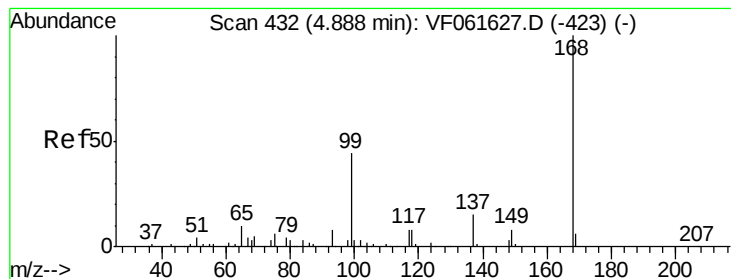
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061686.D

Acq: 18 Feb 2019 18:53

Instrument :

MSVOA_F

ClientSampleId :

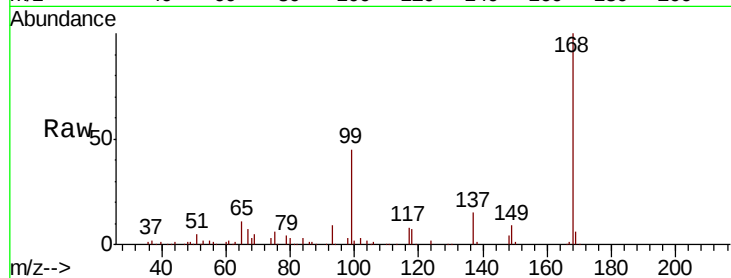
M-14-D

Tgt Ion:168 Resp: 329502

Ion Ratio Lower Upper

168 100

99 45.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

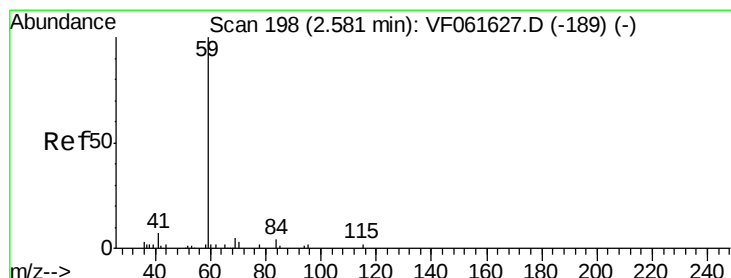
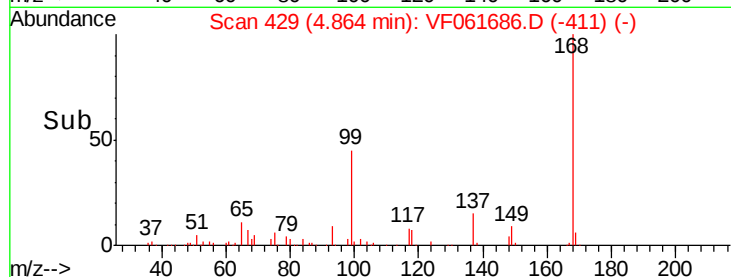
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 13.001 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF061686.D

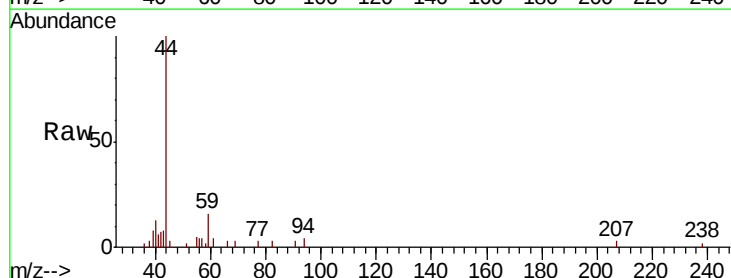
Acq: 18 Feb 2019 18:53

Tgt Ion: 59 Resp: 1818

Ion Ratio Lower Upper

59 100

57 23.4 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

800

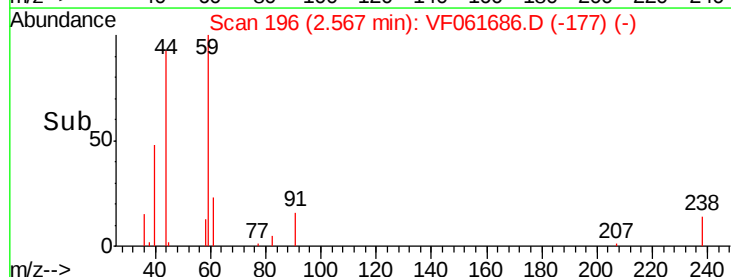
600

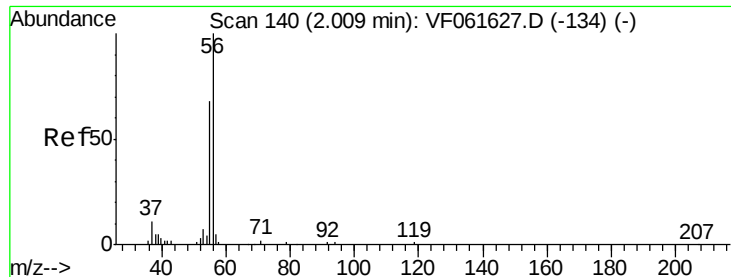
400

200

0

Time-->





#13

Acrolein

Concen: 4.358 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061686.D

Acq: 18 Feb 2019 18:53

Instrument :

MSVOA_F

ClientSampleId :

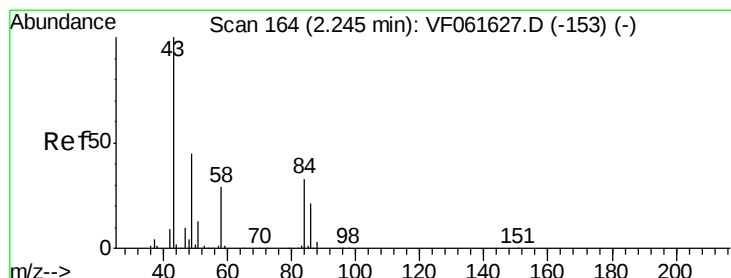
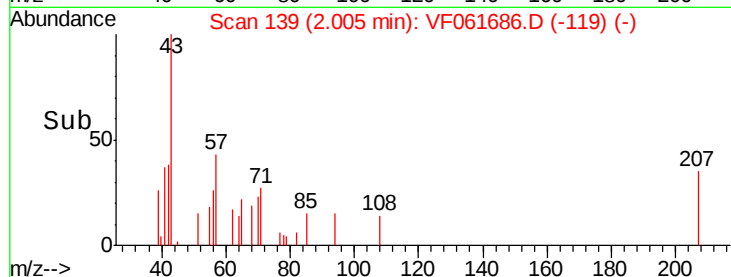
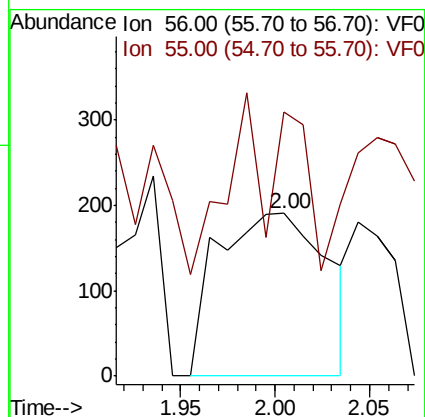
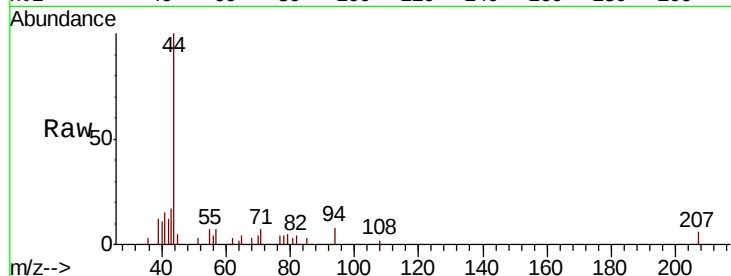
M-14-D

Tgt Ion: 56 Resp: 766

Ion Ratio Lower Upper

56 100

55 162.3 55.0 82.6#



#16

Acetone

Concen: 58.122 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061686.D

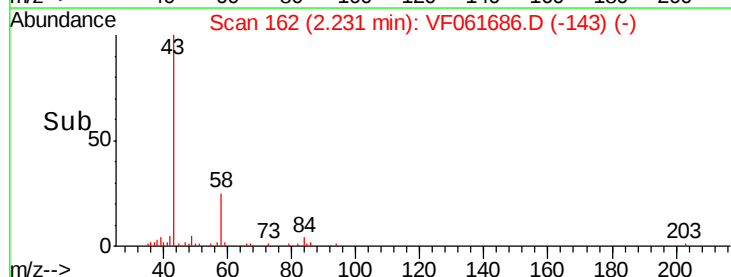
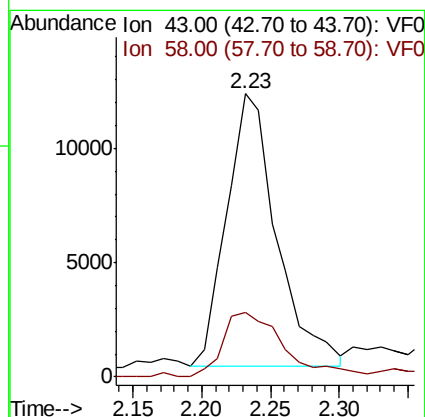
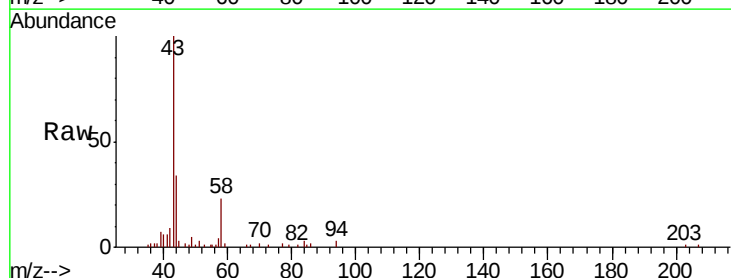
Acq: 18 Feb 2019 18:53

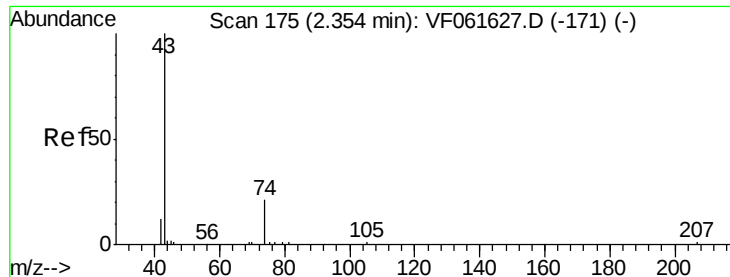
Tgt Ion: 43 Resp: 30132

Ion Ratio Lower Upper

43 100

58 22.7 22.9 34.3#

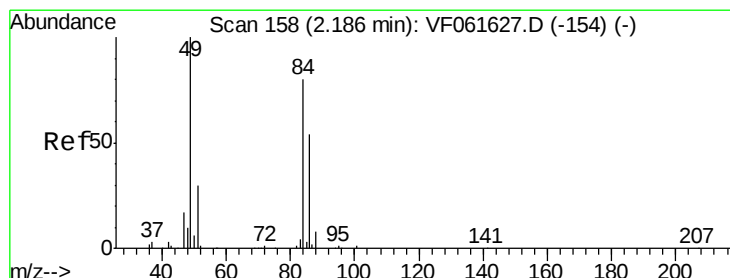
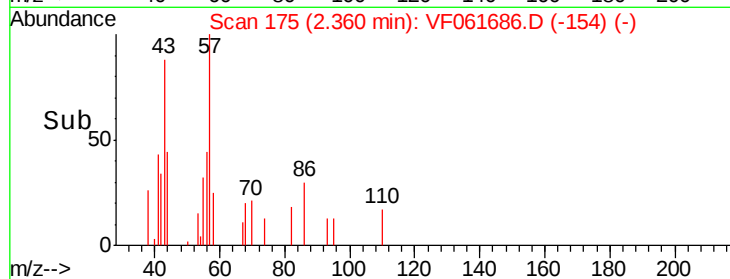
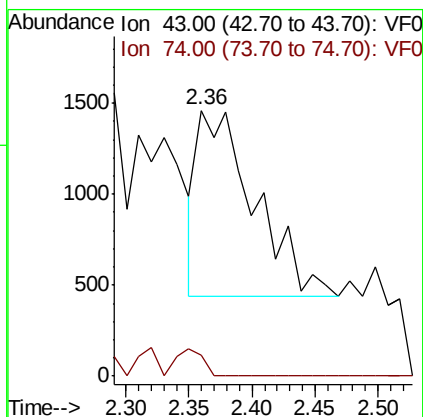
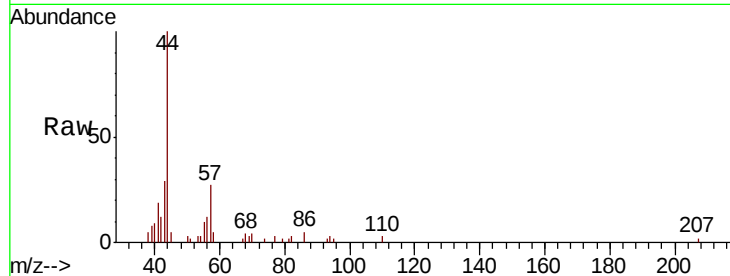




#18
Methyl Acetate
Concen: 2.731 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

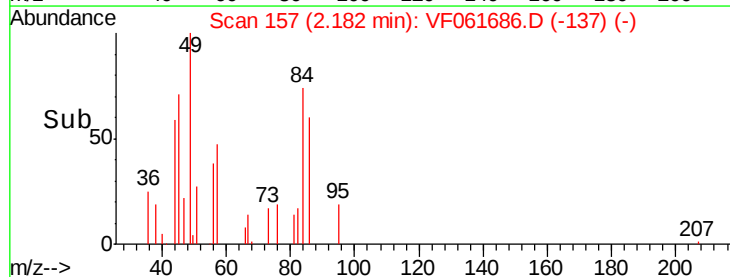
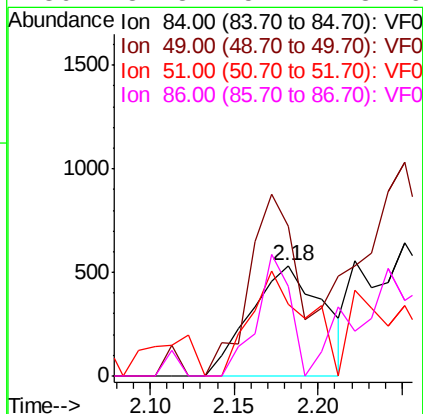
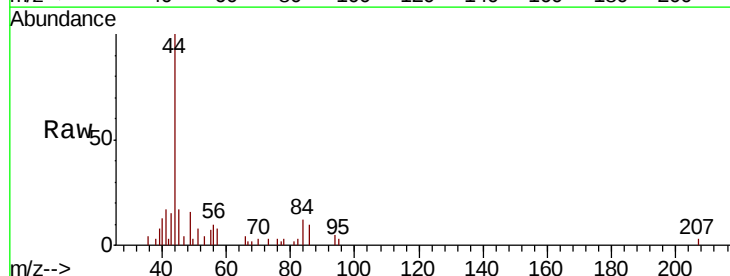
Instrument :
MSVOA_F
ClientSampleId :
M-14-D

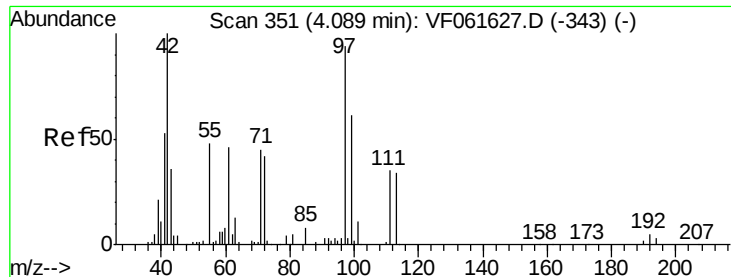
Tgt Ion: 43 Resp: 3190
Ion Ratio Lower Upper
43 100
74 7.8 14.6 21.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

Tgt Ion: 84 Resp: 1595
Ion Ratio Lower Upper
84 100
49 163.5 101.8 152.8#
51 65.2 31.1 46.7#
86 81.8 54.4 81.6#





#29

Tetrahydrofuran

Concen: 3.476 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061686.D

Acq: 18 Feb 2019 18:53

Instrument :

MSVOA_F

ClientSampled :

M-14-D

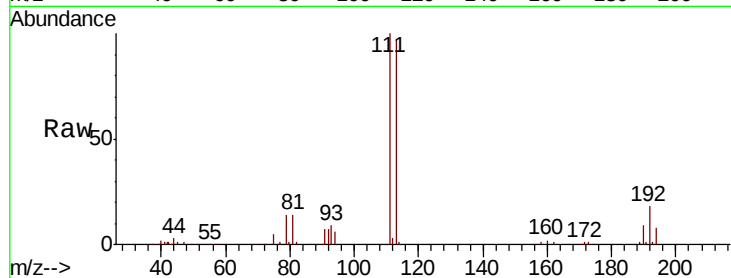
Tgt Ion: 42 Resp: 1789

Ion Ratio Lower Upper

42 100

72 33.4 35.2 52.8#

71 0.0 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

4.09

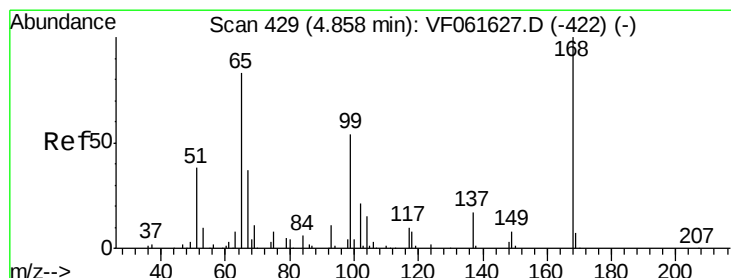
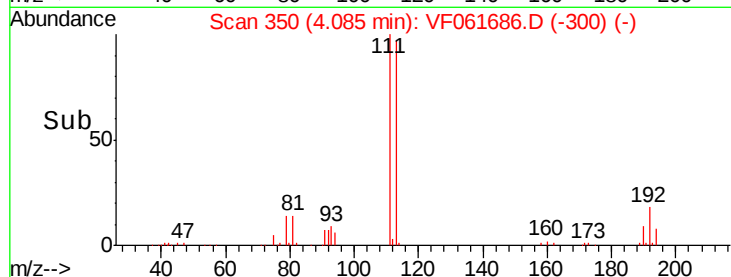
400

200

0

4.00 4.05 4.10 4.15

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.592 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061686.D

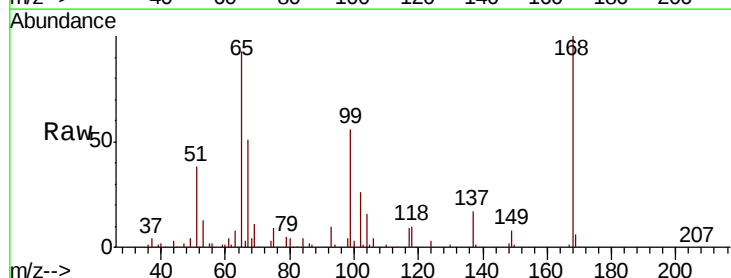
Acq: 18 Feb 2019 18:53

Tgt Ion: 65 Resp: 124662

Ion Ratio Lower Upper

65 100

67 54.6 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

50000

40000

30000

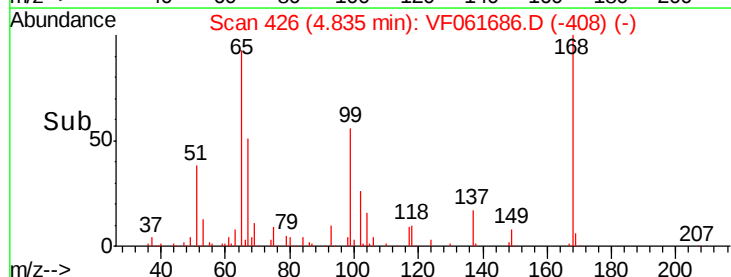
20000

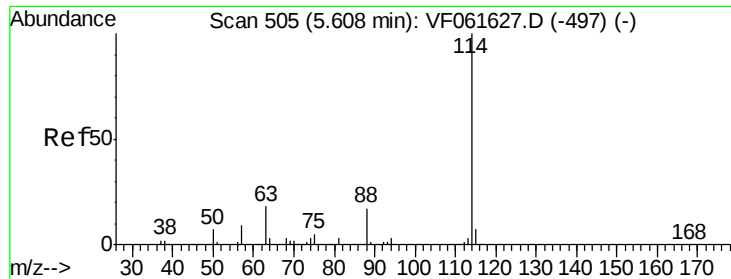
10000

0

4.70 4.80 4.90 5.00

Time-->

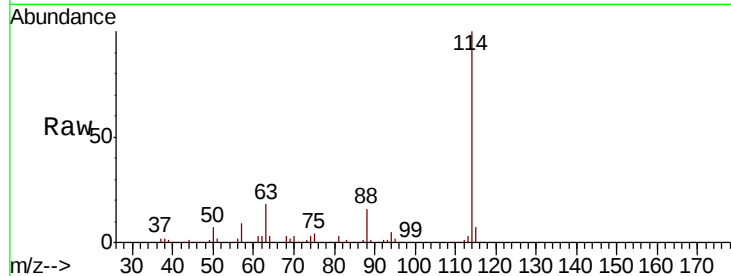




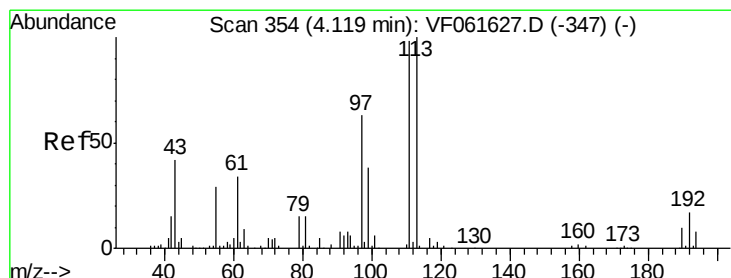
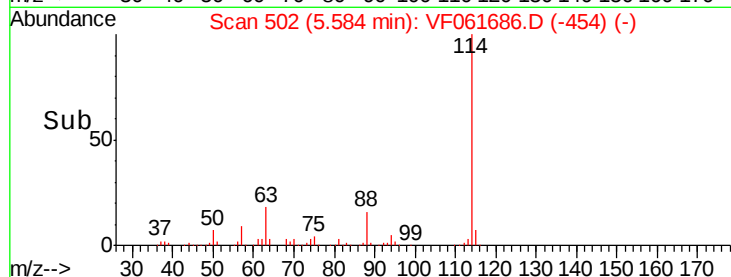
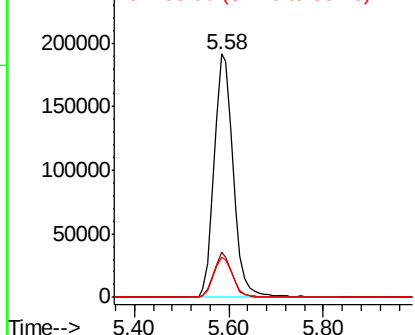
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.02 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

Instrument :
MSVOA_F
ClientSampled :
M-14-D

Tgt Ion:114 Resp: 535661
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.6
88 16.2 0.0 34.4

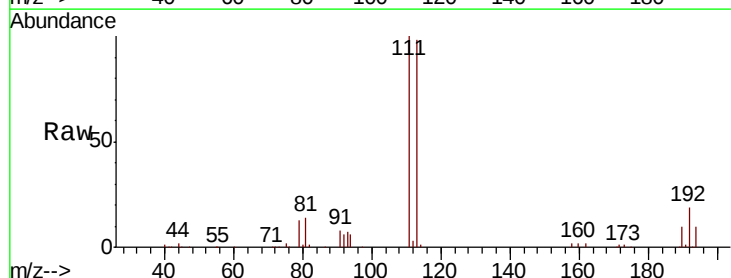


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

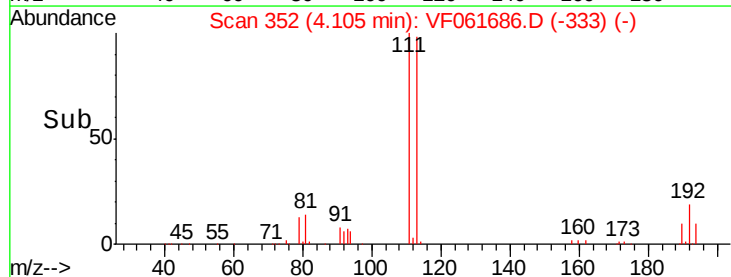
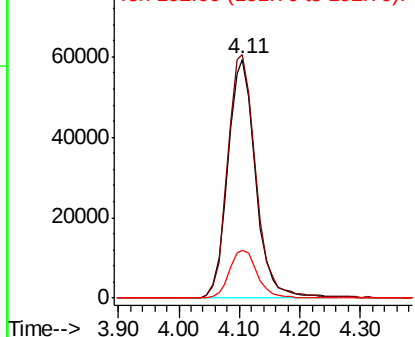


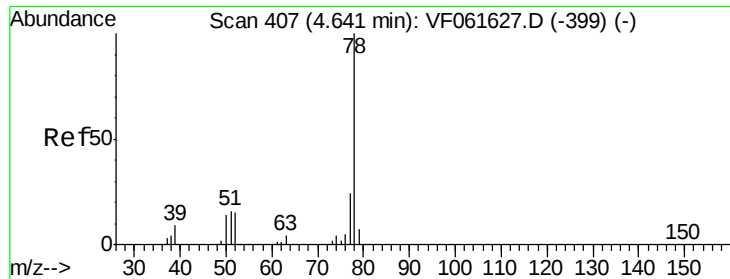
#35
Dibromofluoromethane
Concen: 47.334 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

Tgt Ion:113 Resp: 188289
Ion Ratio Lower Upper
113 100
111 101.8 78.8 118.2
192 19.7 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





#40

Benzene

Concen: 1.076 ug/l

RT: 4.62 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF061686.D

Acq: 18 Feb 2019 18:53

Instrument :

MSVOA_F

ClientSampleId :

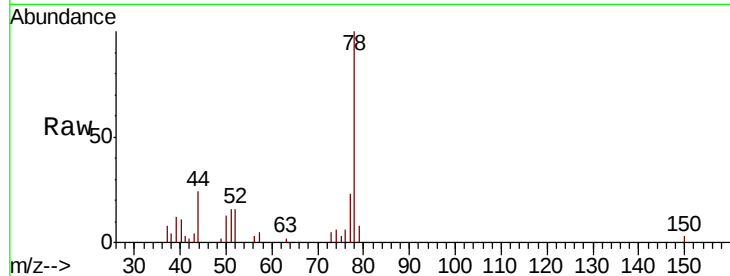
M-14-D

Tgt Ion: 78 Resp: 14939

Ion Ratio Lower Upper

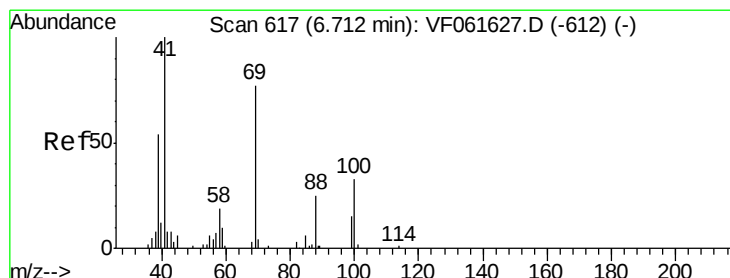
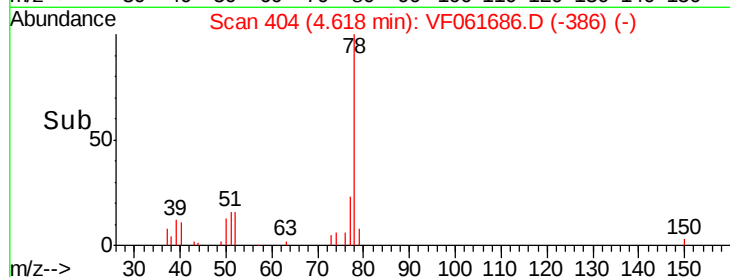
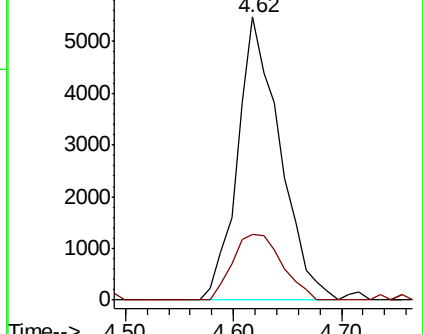
78 100

77 23.0 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#49

1,4-Dioxane

Concen: 3.817 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.45 min

Lab File: VF061686.D

Acq: 18 Feb 2019 18:53

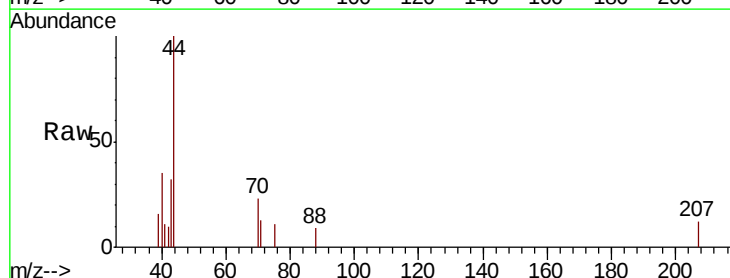
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 369.2 32.3 48.5#

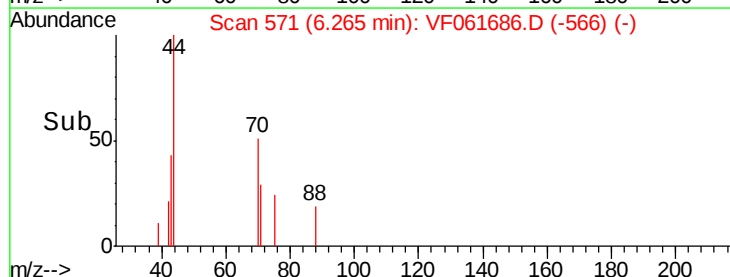
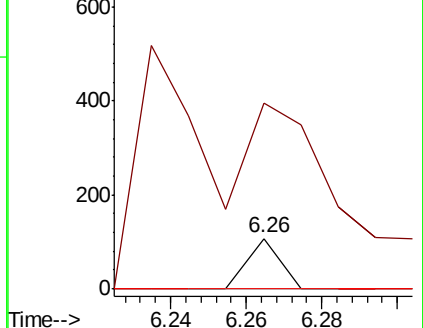
58 0.0 59.4 89.2#

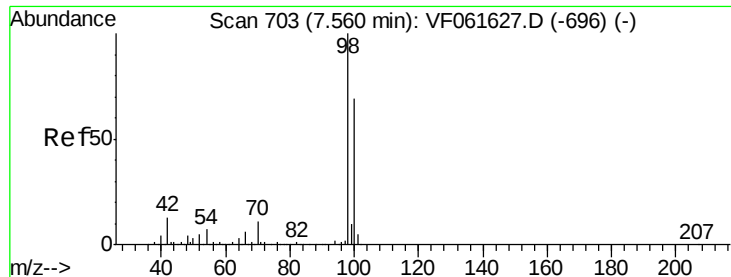


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

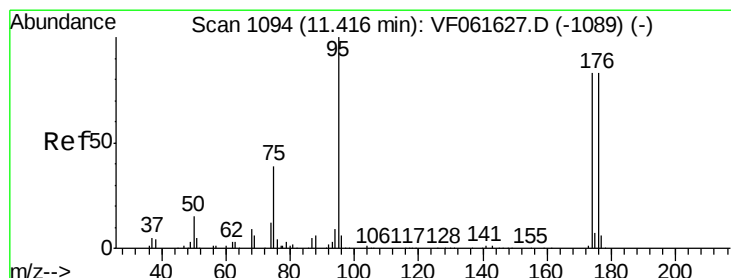
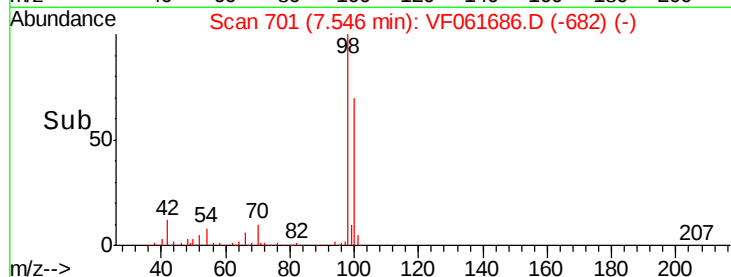
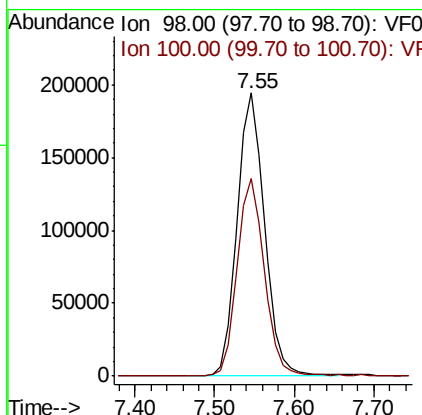
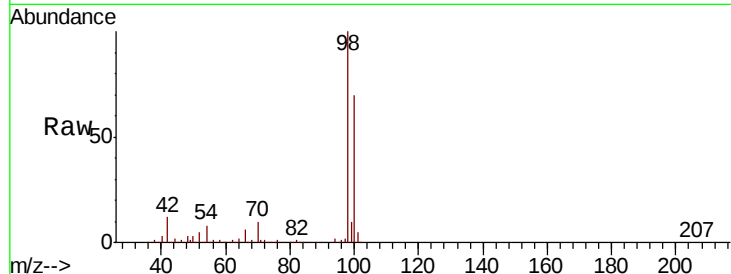




#50
Toluene-d8
Concen: 40.686 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

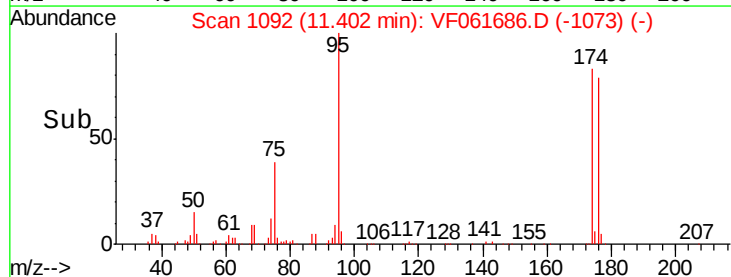
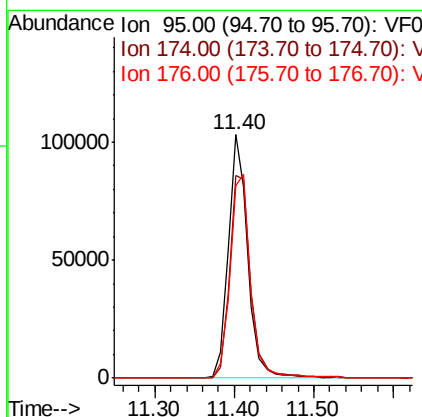
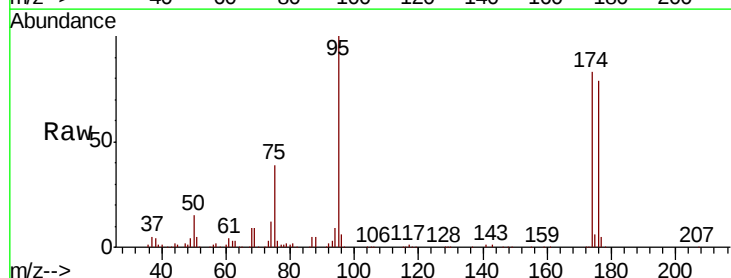
Instrument :
MSVOA_F
ClientSampleId :
M-14-D

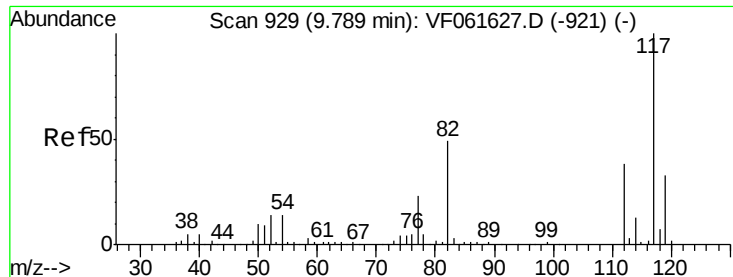
Tgt Ion: 98 Resp: 465253
Ion Ratio Lower Upper
98 100
100 69.7 55.4 83.2



#62
4-Bromofluorobenzene
Concen: 38.372 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

Tgt Ion: 95 Resp: 177544
Ion Ratio Lower Upper
95 100
174 83.1 0.0 165.8
176 79.2 0.0 167.0

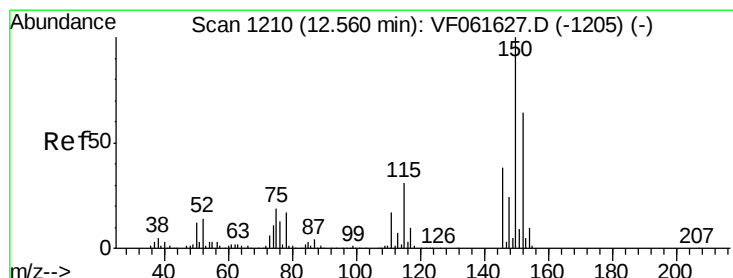
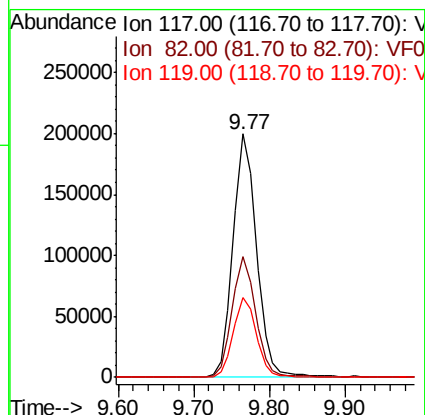
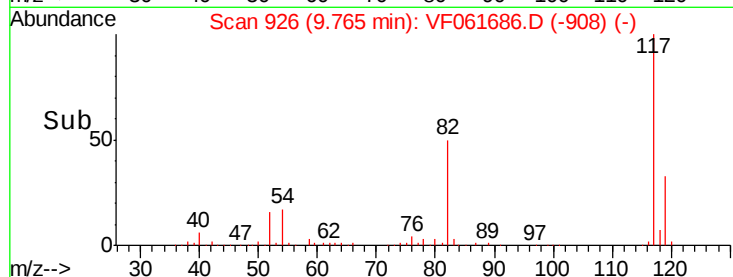
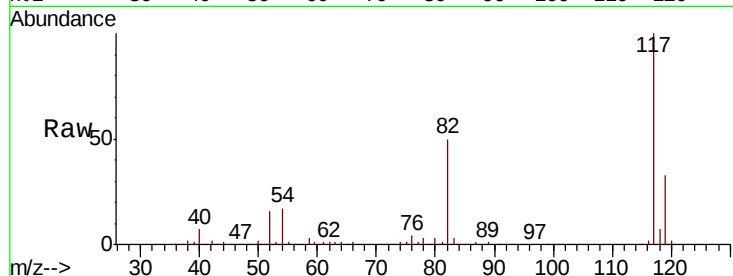




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

Instrument :
MSVOA_F
ClientSampleId :
M-14-D

Tgt Ion:117 Resp: 430074
Ion Ratio Lower Upper
117 100
82 49.8 39.3 58.9
119 33.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061686.D
Acq: 18 Feb 2019 18:53

Tgt Ion:152 Resp: 200731
Ion Ratio Lower Upper
152 100
115 50.8 24.3 72.8
150 152.4 0.0 312.0

