

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061646.D
 Acq On : 14 Feb 2019 17:58
 Operator : VA/AP
 Sample : K1484-11
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-3-S

Quant Time: Feb 15 00:48:35 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	4.87	168	41331	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	49671	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	35369	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	13082	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	5482	18.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.18%	
35) Dibromofluoromethane	4.12	113	11693	31.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.40%	
50) Toluene-d8	7.55	98	41144	38.80	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	77.60%	
62) 4-Bromofluorobenzene	11.41	95	10791	25.15	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	50.30%	

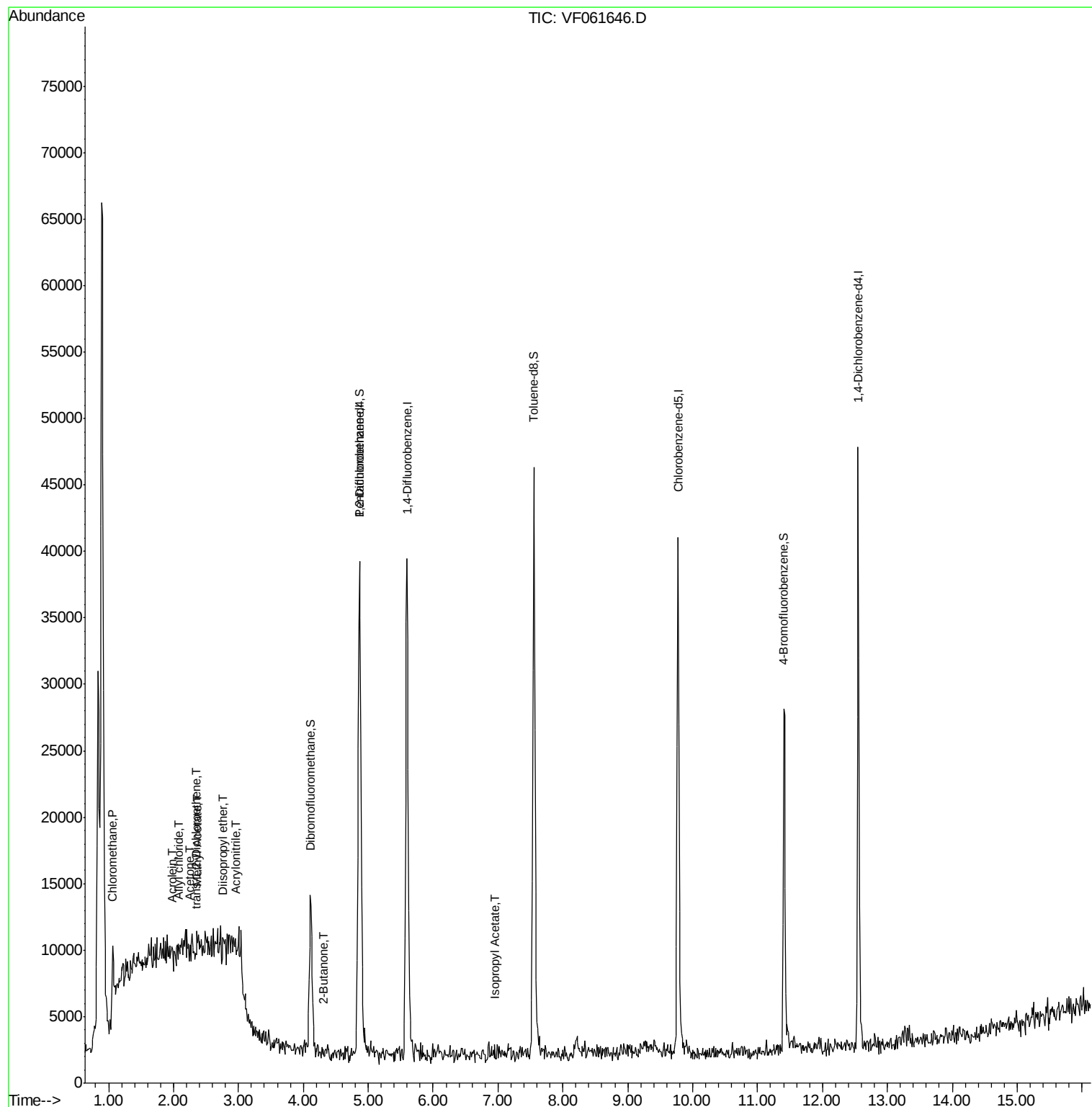
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.07	50	569	1.143	ug/l #	42
13) Acrolein	1.98	56	157	7.122	ug/l	84
14) Allyl chloride	2.08	41	486	1.118	ug/l #	73
15) Acrylonitrile	2.94	53	173	2.781	ug/l #	24
16) Acetone	2.25	43	729	11.210	ug/l #	46
18) Methyl Acetate	2.36	43	861	5.877	ug/l #	59
20) Methylene Chloride	2.19	84	303	Below Cal	#	54
21) trans-1,2-Dichloroethene	2.34	96	443	1.151	ug/l #	1
22) Diisopropyl ether	2.78	45	1107	1.061	ug/l #	47
25) 2-Butanone	4.32	43	359	2.527	ug/l #	55
43) Isopropyl Acetate	6.95	43	282	1.042	ug/l #	43

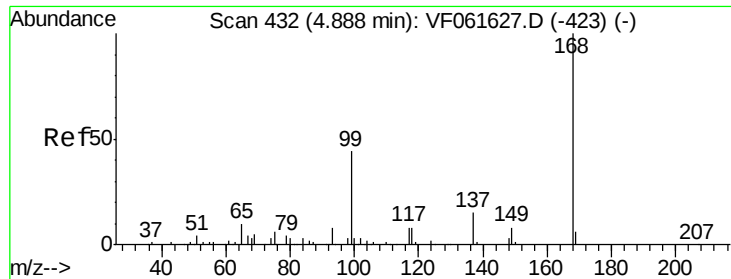
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

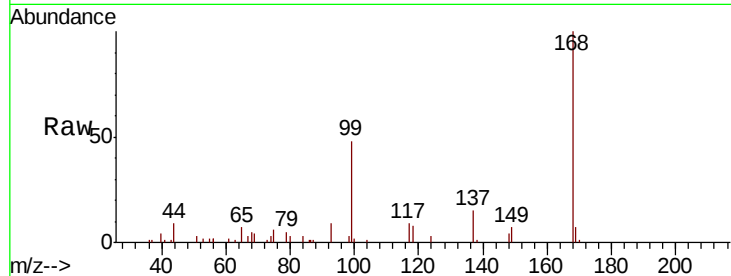
M-3-S

Tgt Ion:168 Resp: 41331

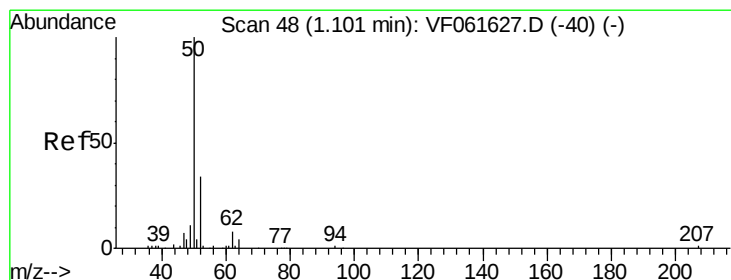
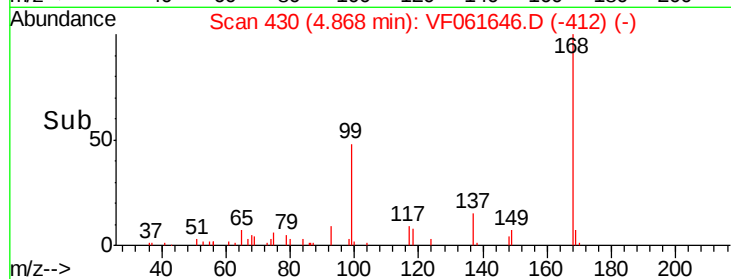
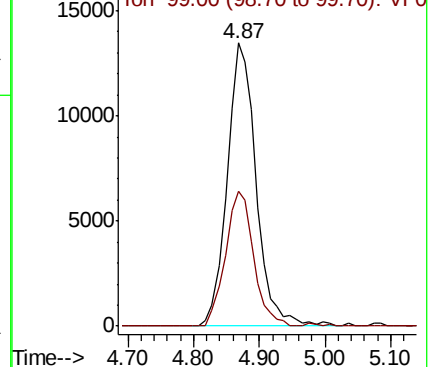
Ion Ratio Lower Upper

168 100

99 47.6 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 1.143 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF061646.D

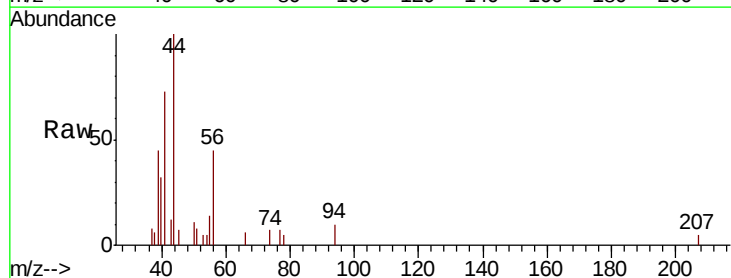
Acq: 14 Feb 2019 17:58

Tgt Ion: 50 Resp: 569

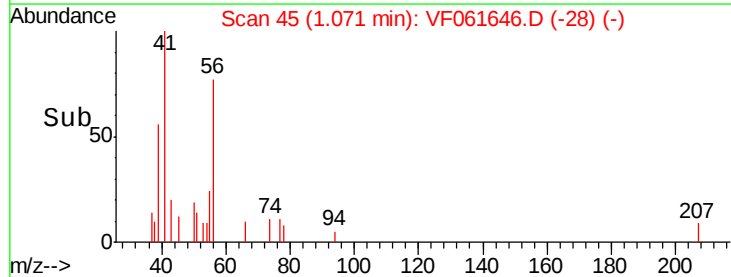
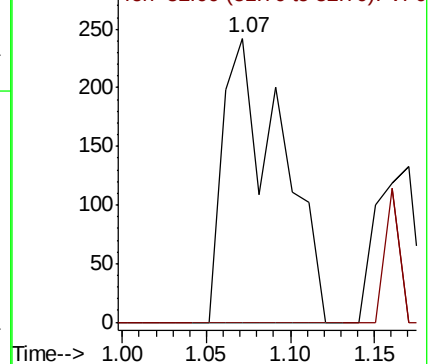
Ion Ratio Lower Upper

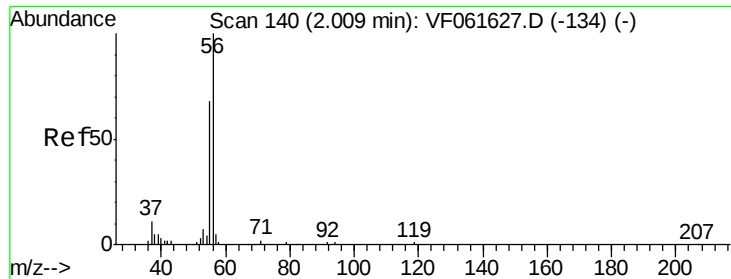
50 100

52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#13

Acrolein

Concen: 7.122 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

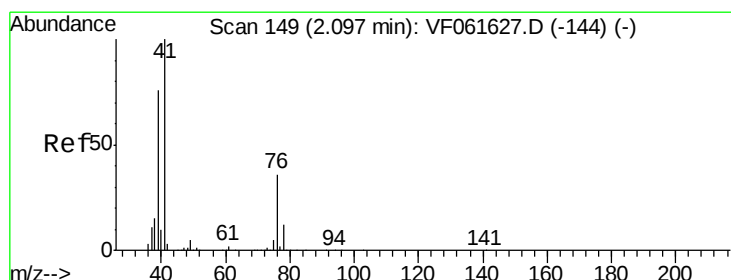
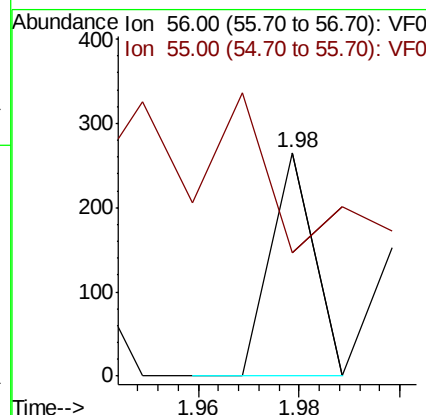
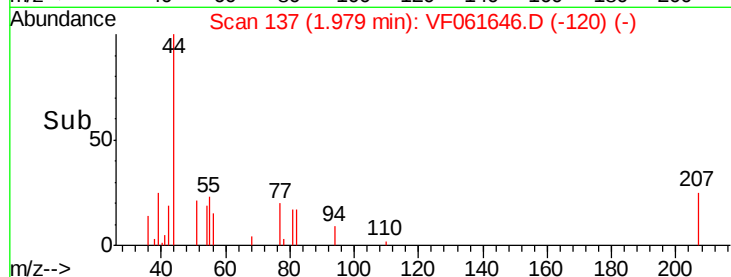
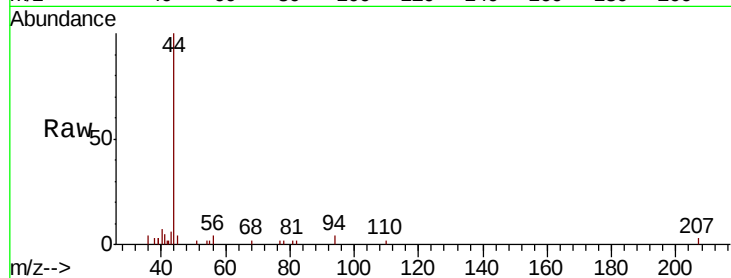
M-3-S

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 55.5 55.0 82.6



#14

Allyl chloride

Concen: 1.118 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

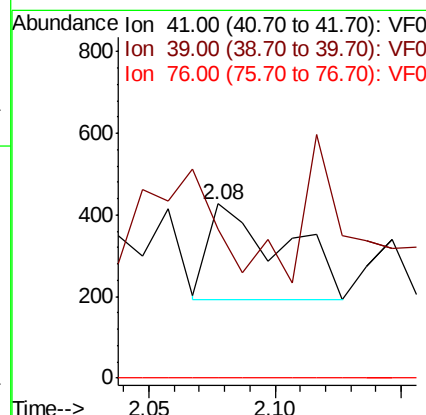
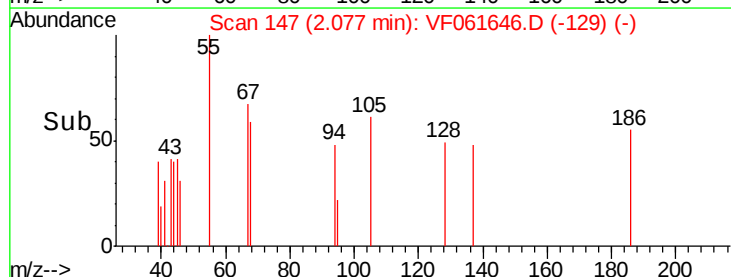
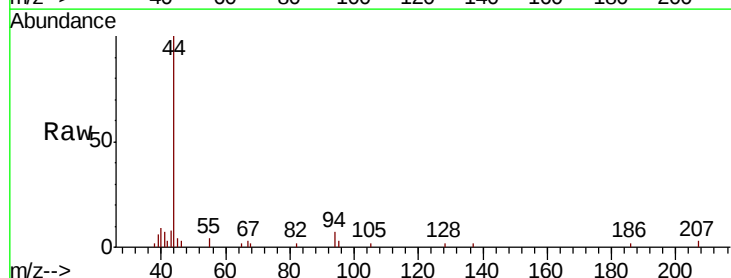
Tgt Ion: 41 Resp: 486

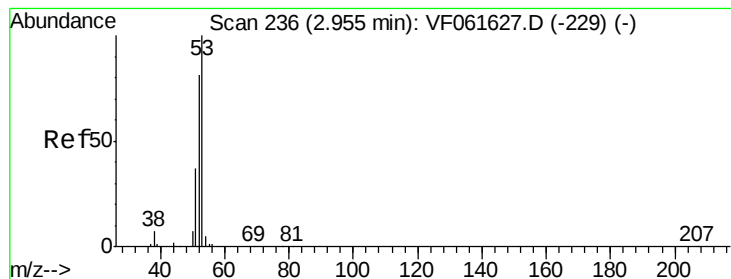
Ion Ratio Lower Upper

41 100

39 85.5 61.6 92.4

76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 2.781 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

M-3-S

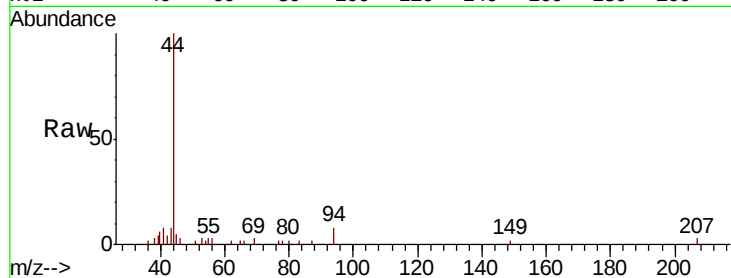
Tgt Ion: 53 Resp: 173

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 64.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0

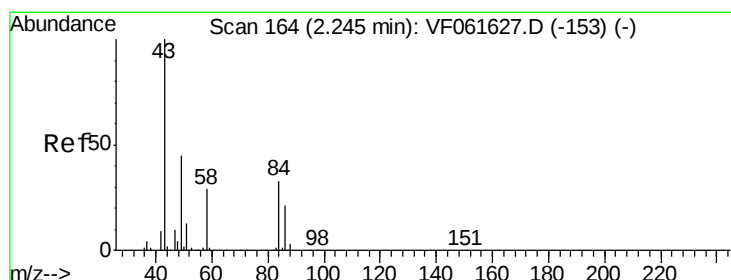
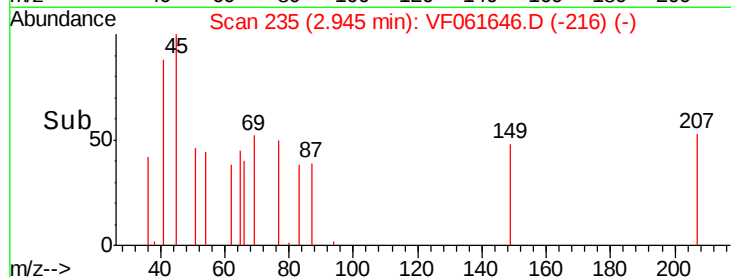
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

2.94

2.92 2.94 2.96

Time-->



#16

Acetone

Concen: 11.210 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.01 min

Lab File: VF061646.D

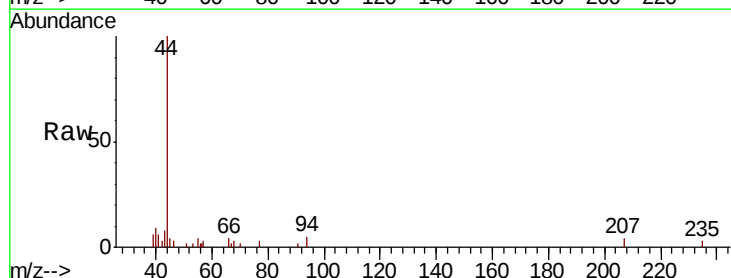
Acq: 14 Feb 2019 17:58

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



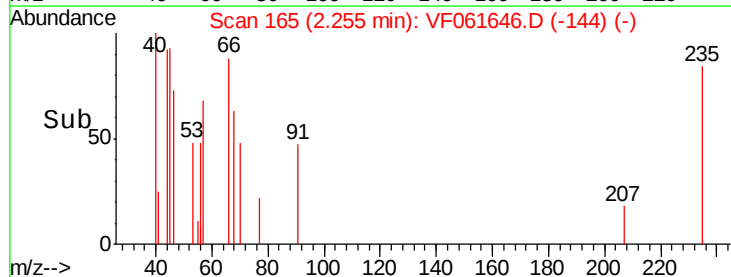
Abundance Ion 43.00 (42.70 to 43.70): VF0

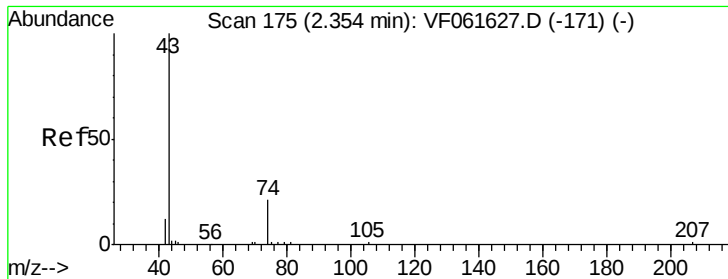
Ion 58.00 (57.70 to 58.70): VF0

2.25

2.24 2.26 2.28

Time-->

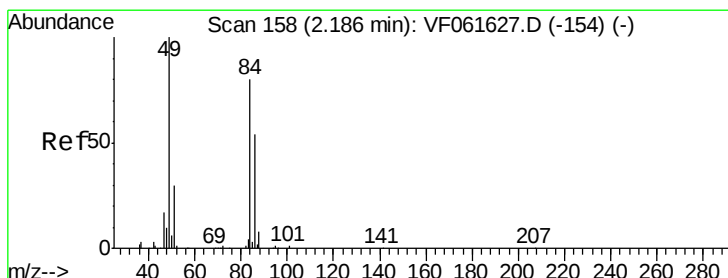
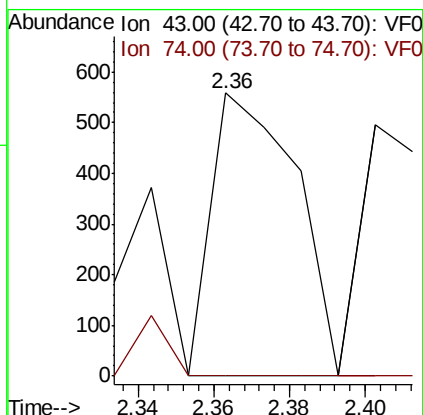
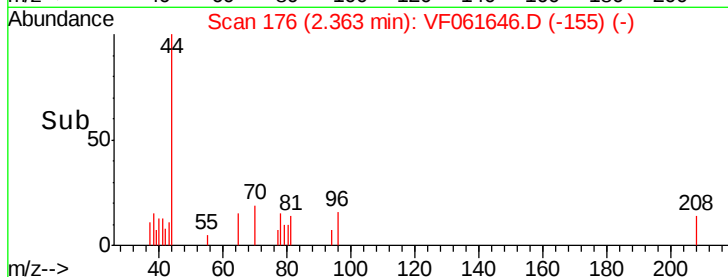
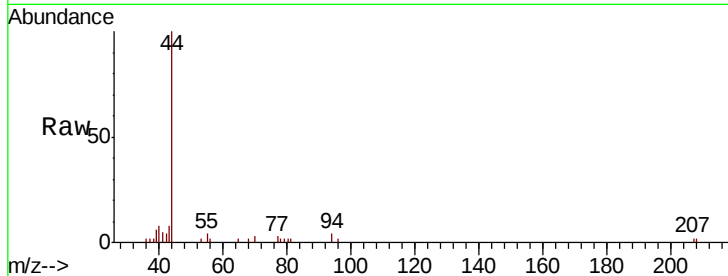




#18
Methyl Acetate
Concen: 5.877 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061646.D
Acq: 14 Feb 2019 17:58

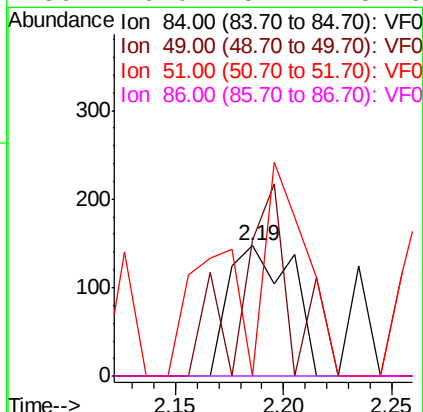
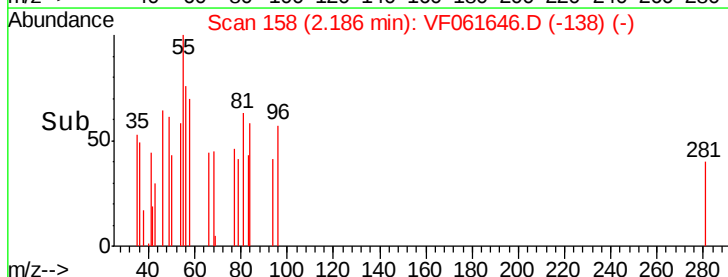
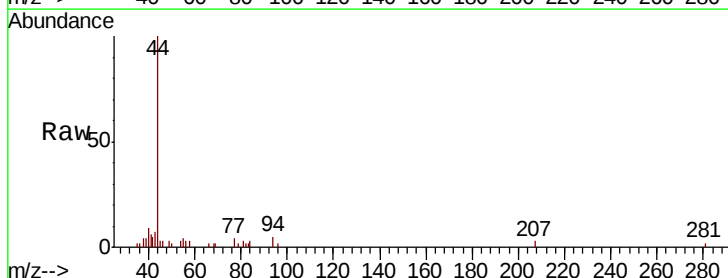
Instrument :
MSVOA_F
ClientSampled :
M-3-S

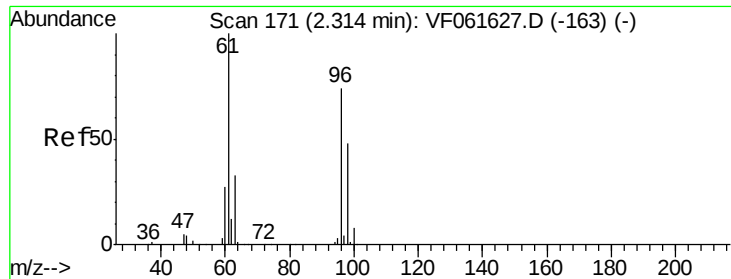
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061646.D
Acq: 14 Feb 2019 17:58

Tgt Ion: 84 Resp: 303
Ion Ratio Lower Upper
84 100
49 104.8 101.8 152.8
51 0.0 31.1 46.7#
86 0.0 54.4 81.6#





#21

trans-1,2-Dichloroethene

Concen: 1.151 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.03 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

M-3-S

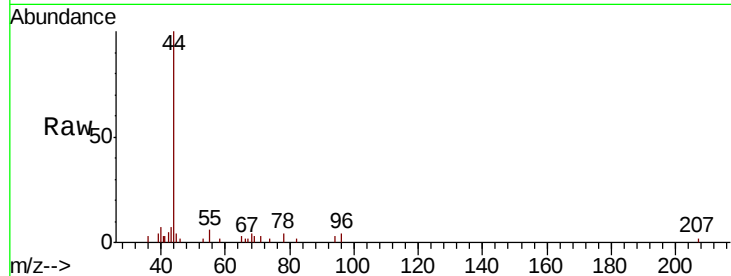
Tgt Ion: 96 Resp: 443

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

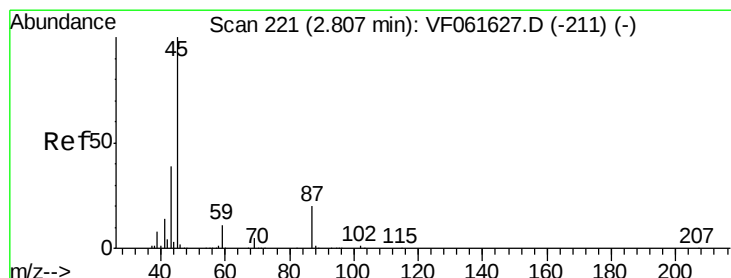
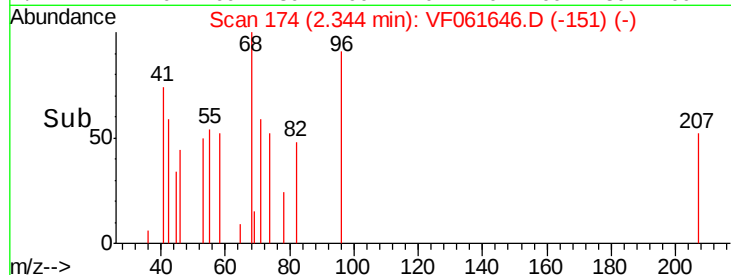
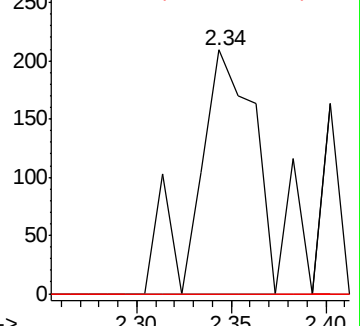
98 0.0 52.2 78.2#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 1.061 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Tgt Ion: 45 Resp: 1107

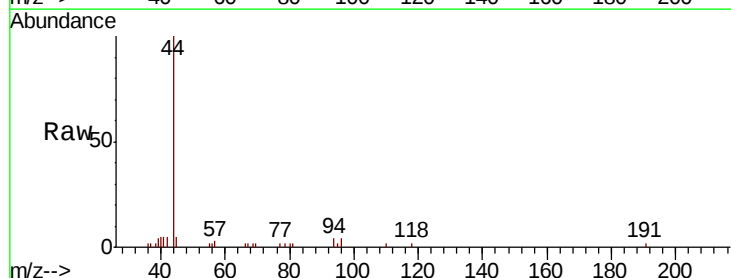
Ion Ratio Lower Upper

45 100

43 0.0 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

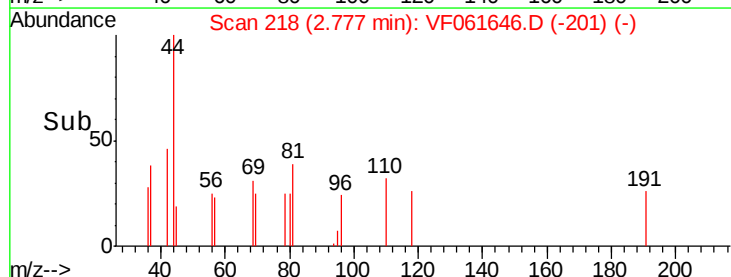
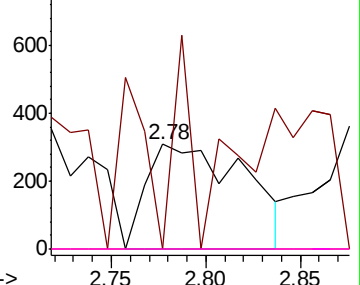


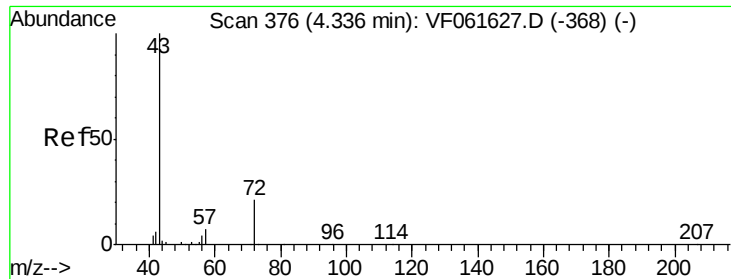
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

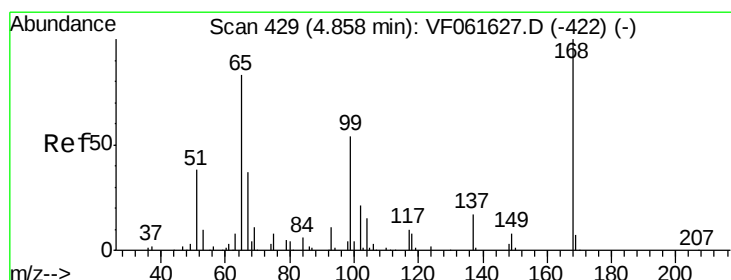
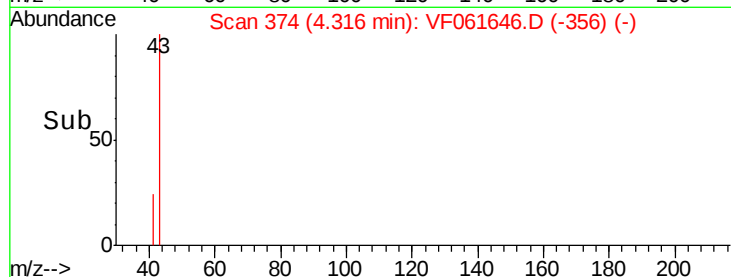
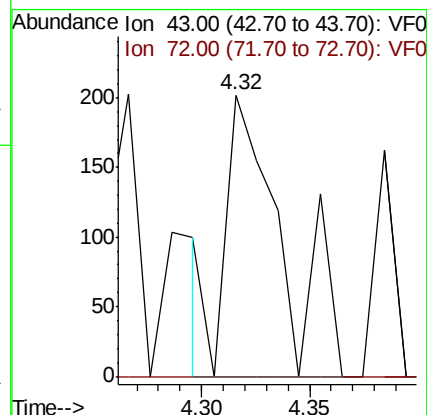
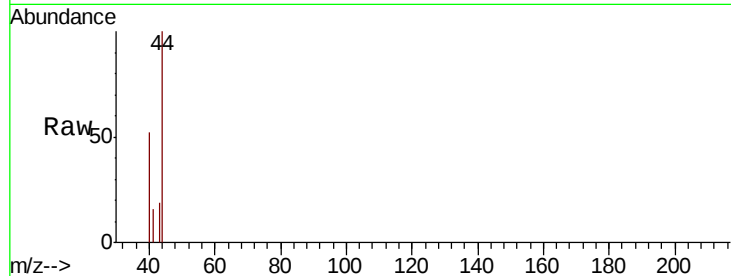




#25
2-Butanone
Concen: 2.527 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.02 min
Lab File: VF061646.D
Acq: 14 Feb 2019 17:58

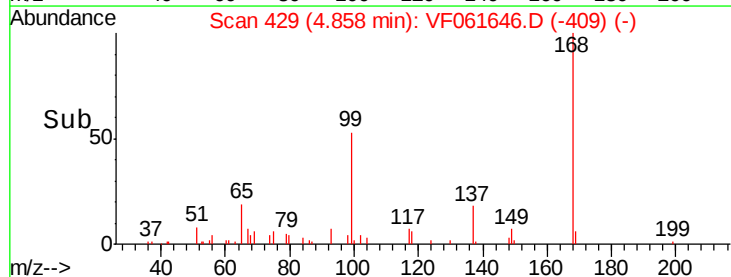
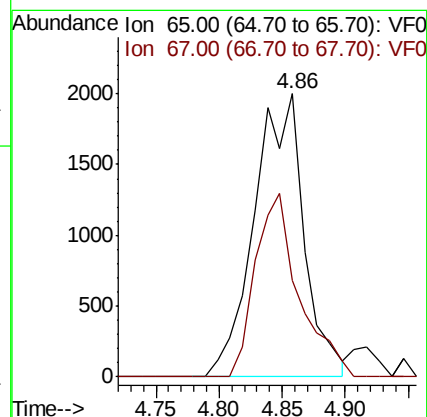
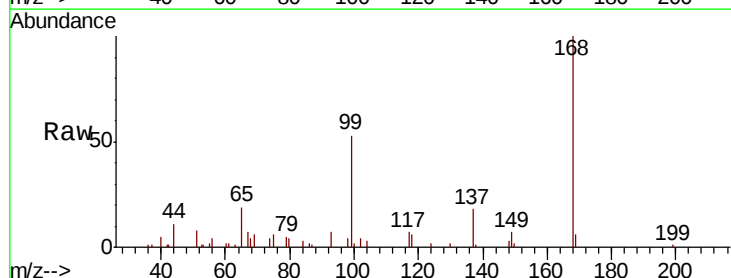
Instrument :
MSVOA_F
ClientSampled :
M-3-S

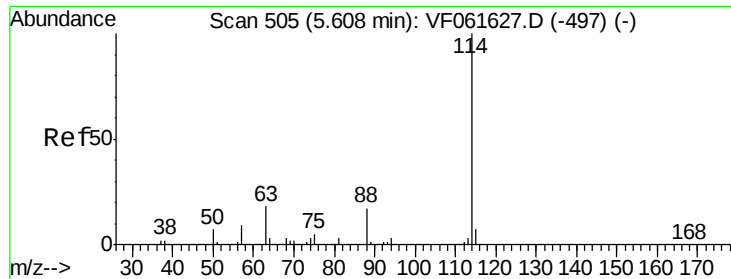
Tgt Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#



#33
1,2-Dichloroethane-d4
Concen: 18.087 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF061646.D
Acq: 14 Feb 2019 17:58

Tgt Ion: 65 Resp: 5482
Ion Ratio Lower Upper
65 100
67 34.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

M-3-S

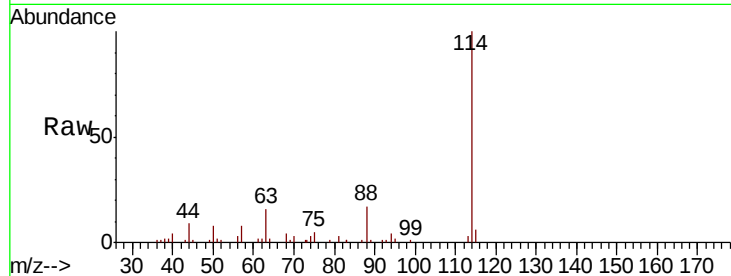
Tgt Ion:114 Resp: 49671

Ion Ratio Lower Upper

114 100

63 16.0 0.0 36.6

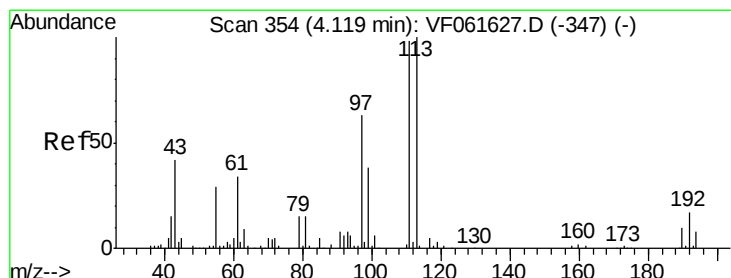
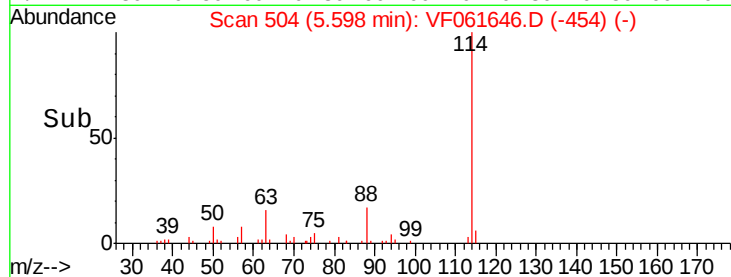
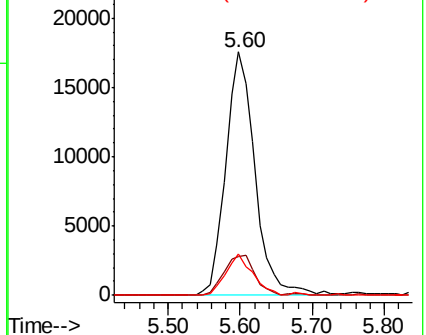
88 17.2 0.0 34.4



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: 31.700 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

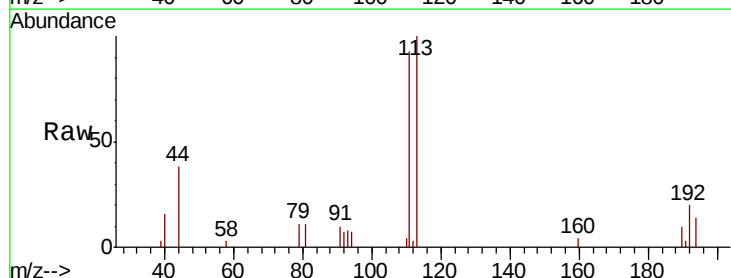
Tgt Ion:113 Resp: 11693

Ion Ratio Lower Upper

113 100

111 93.3 78.8 118.2

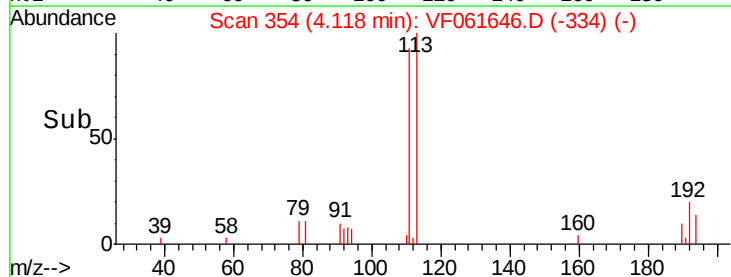
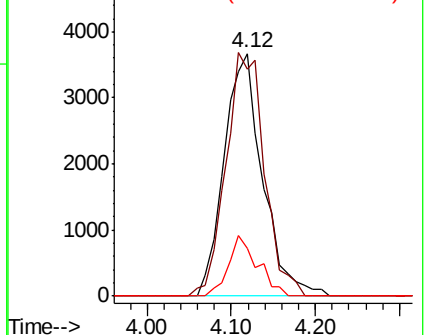
192 19.6 13.4 20.0

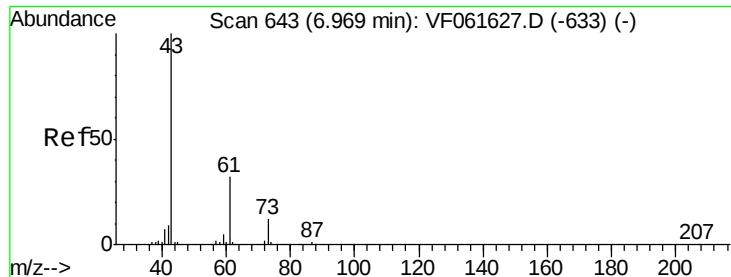


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#43

Isopropyl Acetate

Concen: 1.042 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

M-3-S

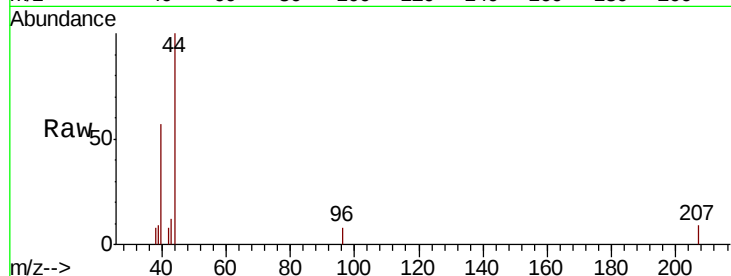
Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

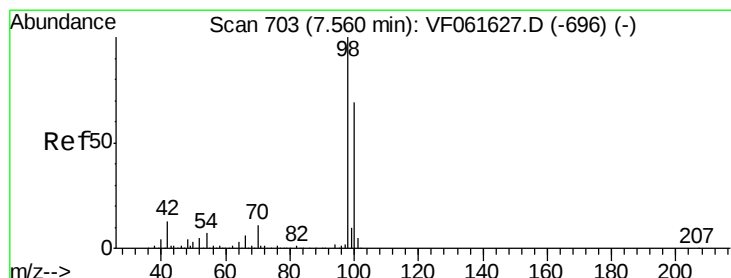
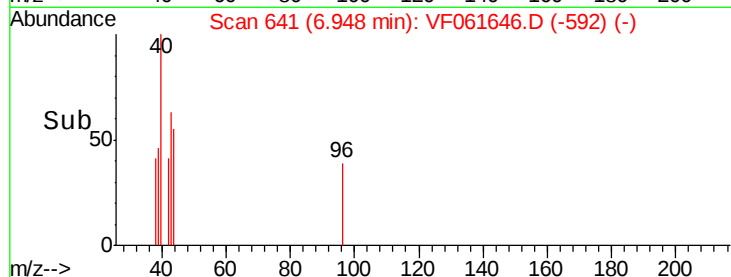
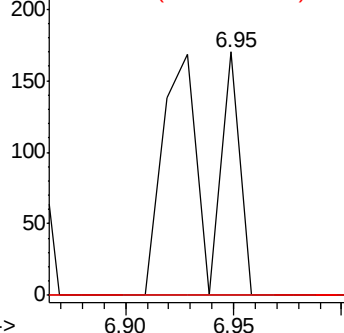
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#50

Toluene-d8

Concen: 38.802 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061646.D

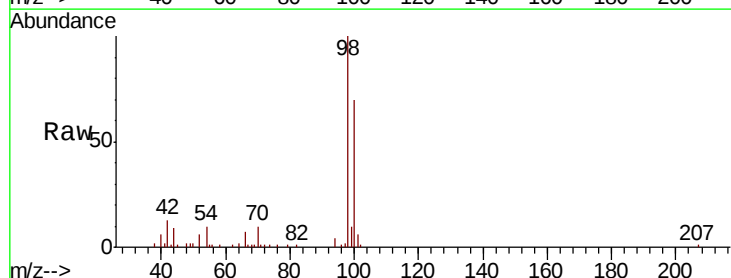
Acq: 14 Feb 2019 17:58

Tgt Ion: 98 Resp: 41144

Ion Ratio Lower Upper

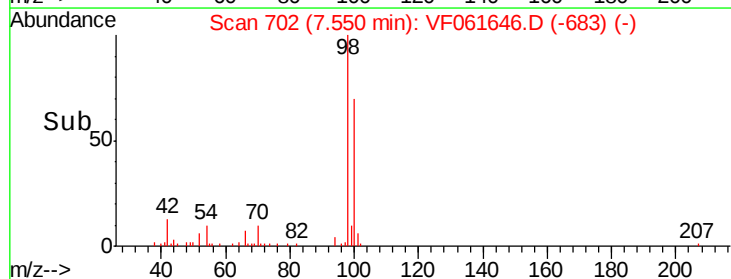
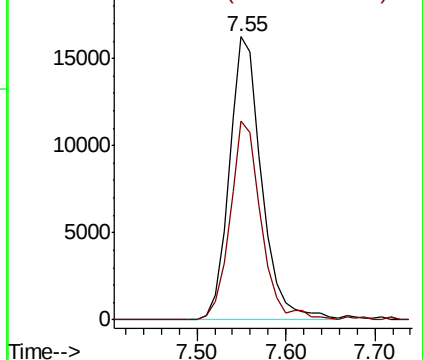
98 100

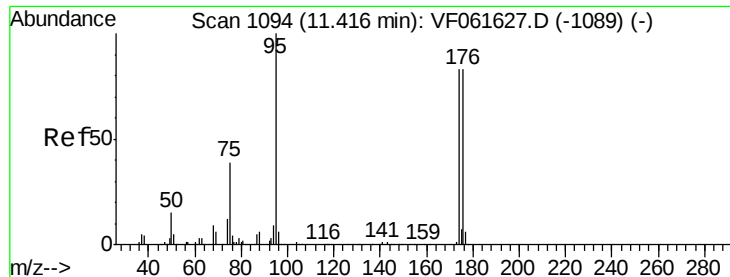
100 70.3 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

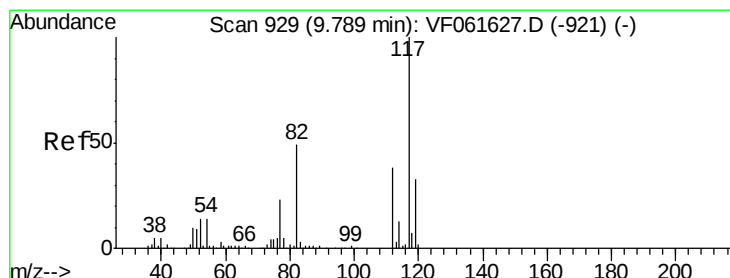
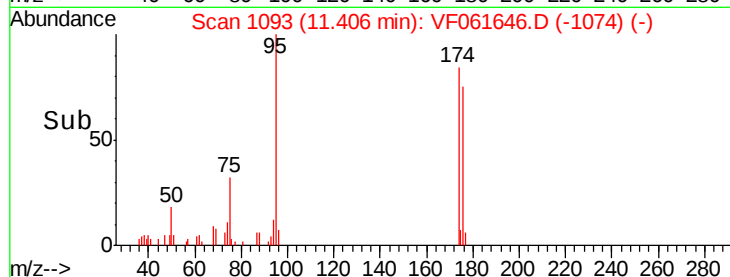
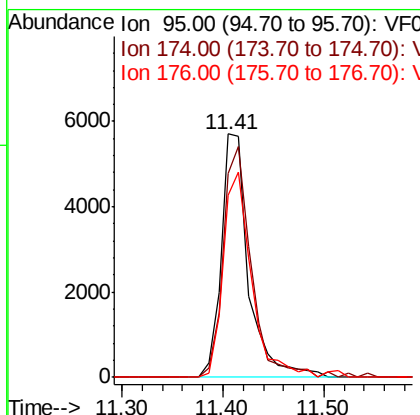
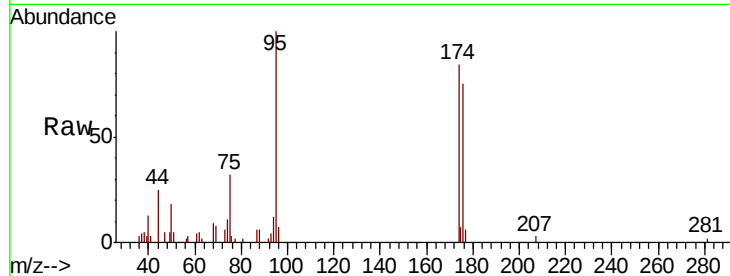




#62
4-Bromofluorobenzene
Concen: 25.151 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061646.D
Acq: 14 Feb 2019 17:58

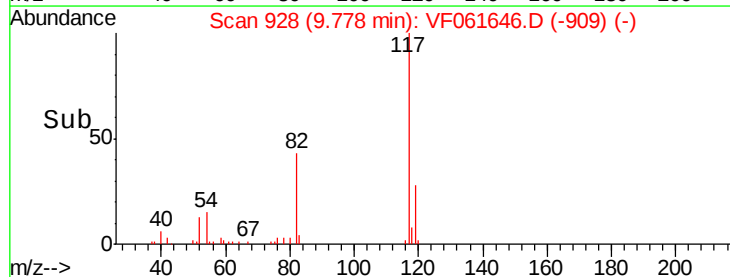
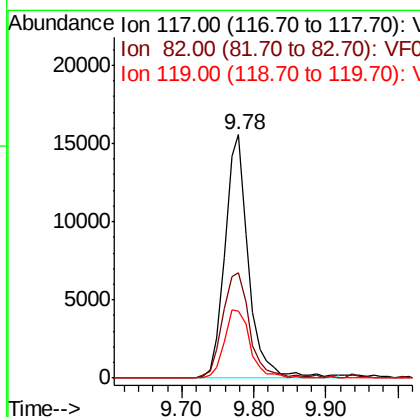
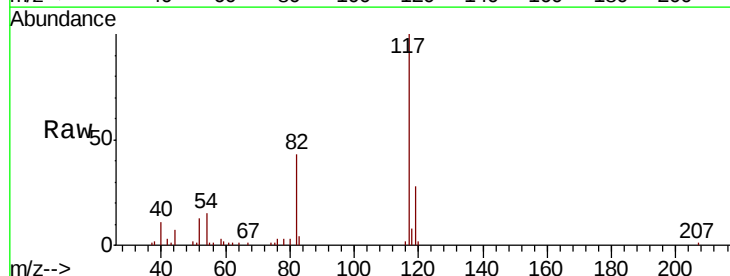
Instrument :
MSVOA_F
ClientSampleId :
M-3-S

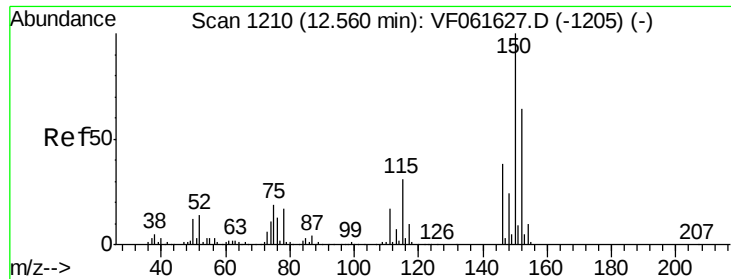
Tgt Ion: 95 Resp: 10791
Ion Ratio Lower Upper
95 100
174 84.0 0.0 165.8
176 74.7 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061646.D
Acq: 14 Feb 2019 17:58

Tgt Ion: 117 Resp: 35369
Ion Ratio Lower Upper
117 100
82 43.3 39.3 58.9
119 27.7 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061646.D

Acq: 14 Feb 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

M-3-S

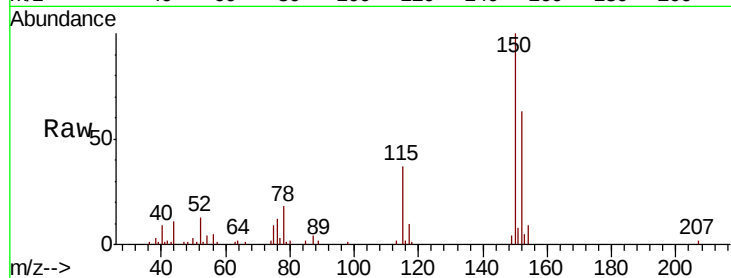
Tgt Ion:152 Resp: 13082

Ion Ratio Lower Upper

152 100

115 58.5 24.3 72.8

150 158.6 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

