

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061257.D
 Acq On : 2 Jan 2019 16:35
 Operator : VA/AP
 Sample : K1019-01
 Misc : 6.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

Quant Time: Jan 03 03:59:10 2019
 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	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	5.33	114	125	50.00	ug/l	-0.27
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.92	65	101	0.00	ug/l	0.08
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	7.07	98	66	23.26	ug/l	-0.48
Spiked Amount 50.000			Recovery	=	46.52%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	

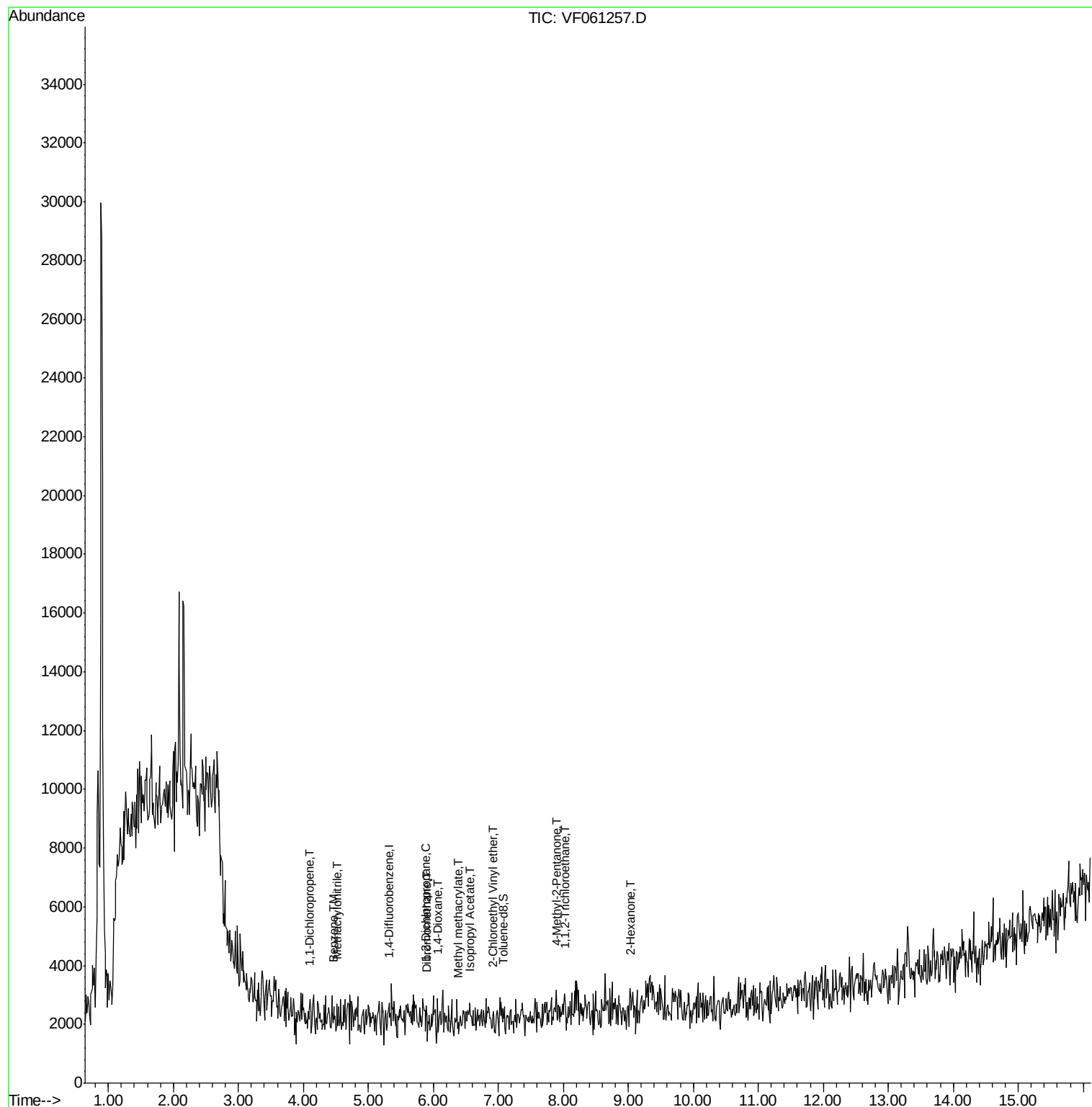
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.09	75	70	46.393	ug/l #	43
37) Ethyl Acetate	3.93	43	426	Below Cal	#	21
40) Benzene	4.46	78	70	21.573	ug/l #	49
41) Methacrylonitrile	4.52	41	246	772.005	ug/l #	37
43) Isopropyl Acetate	6.58	43	311	426.880	ug/l #	45
45) 1,2-Dichloropropane	5.89	63	75	84.958	ug/l #	44
46) Dibromomethane	5.91	93	62	108.284	ug/l #	5
48) Methyl methacrylate	6.38	41	150	294.927	ug/l #	55
49) 1,4-Dioxane	6.07	88	65	17613.313	ug/l #	18
51) 4-Methyl-2-Pentanone	7.89	43	98	196.137	ug/l #	38
55) 1,1,2-Trichloroethane	8.01	97	68	105.607	ug/l #	12
58) 2-Chloroethyl Vinyl ether	6.93	63	60	448.380	ug/l #	50
59) 2-Hexanone	9.05	43	503	1392.058	ug/l #	27

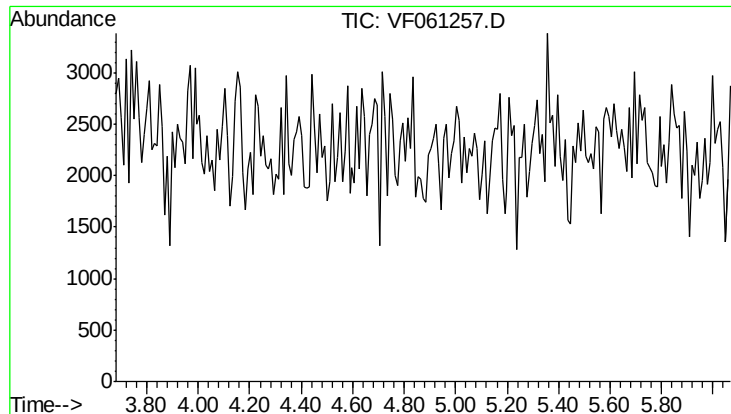
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Tot Ion: 168

Sig Exp Ratio

168 100

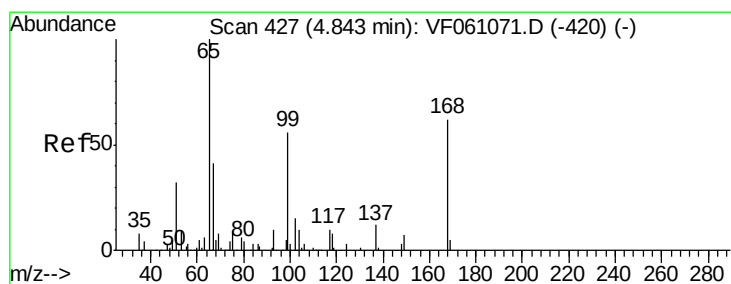
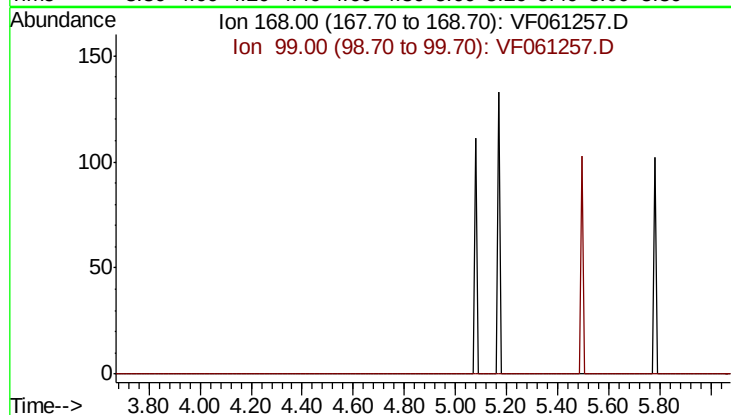
99 68.0

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-A



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.92 min Scan# 435

Delta R.T. 0.08 min

Lab File: VF061257.D

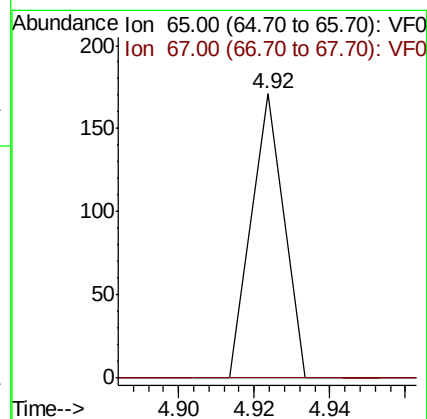
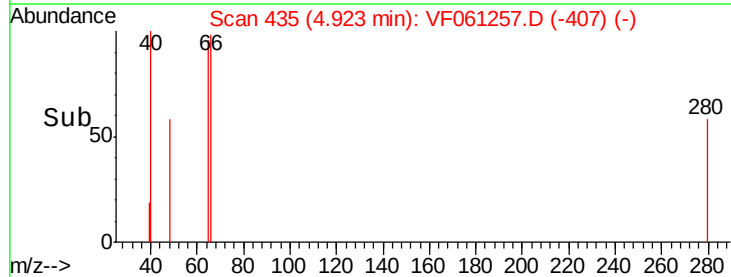
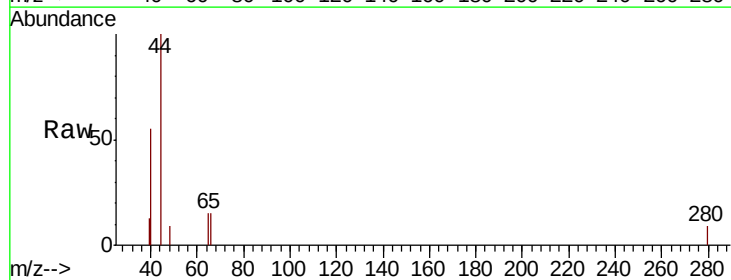
Acq: 2 Jan 2019 16:35

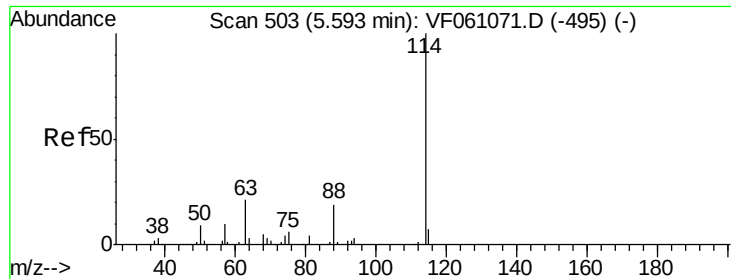
Tgt Ion: 65 Resp: 101

Ion Ratio Lower Upper

65 100

67 0.0 0.0 94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.33 min Scan# 476

Delta R.T. -0.27 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-A

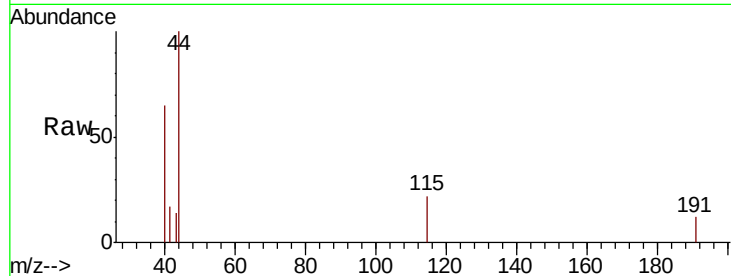
Tot Ion:114 Resp: 125

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

88 0.0 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

250

200

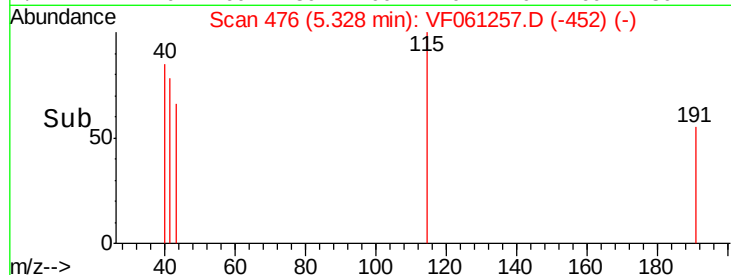
150

100

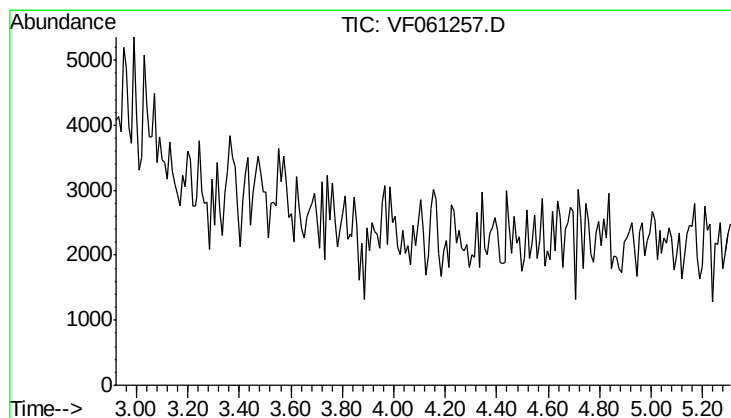
50

0

5.30 5.32 5.34 5.36



Time-->



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.11 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

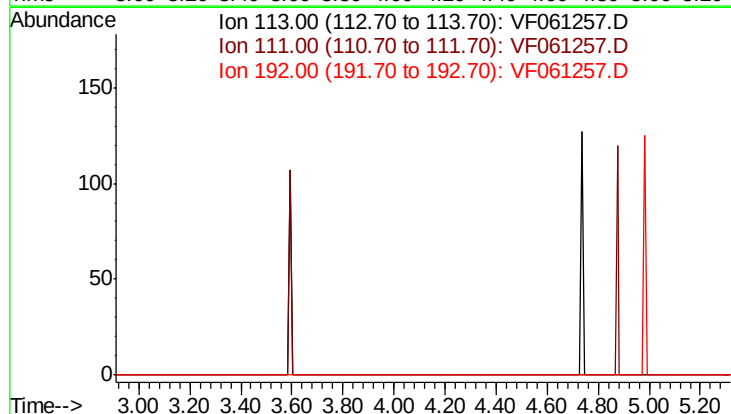
Tgt Ion: 113

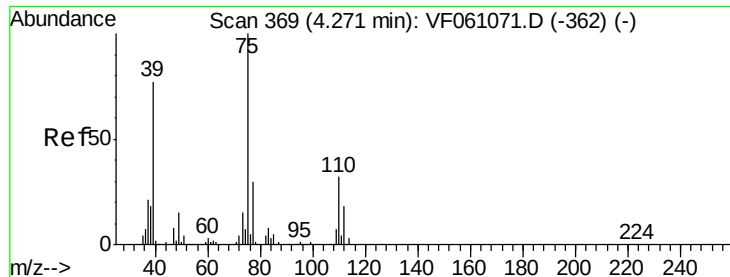
Sig Exp Ratio

113 100

111 106.5

192 16.0

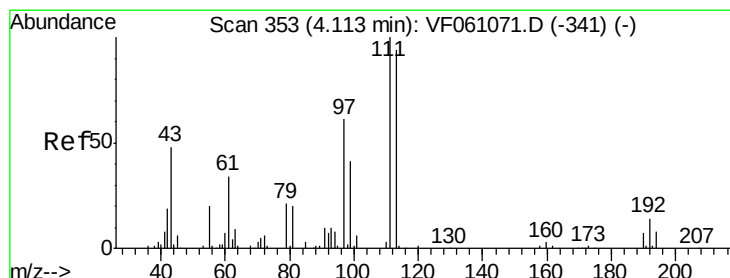
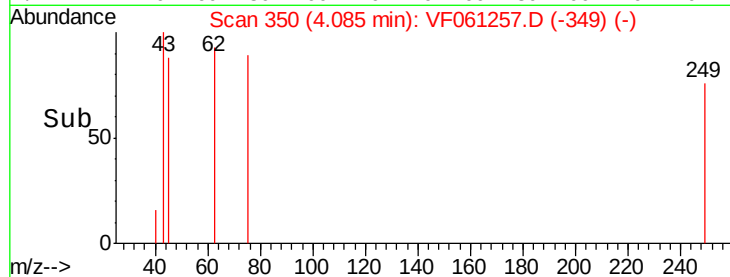
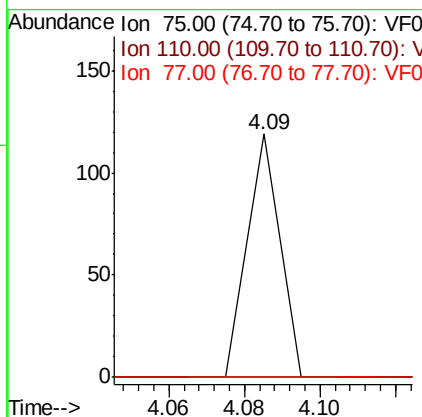
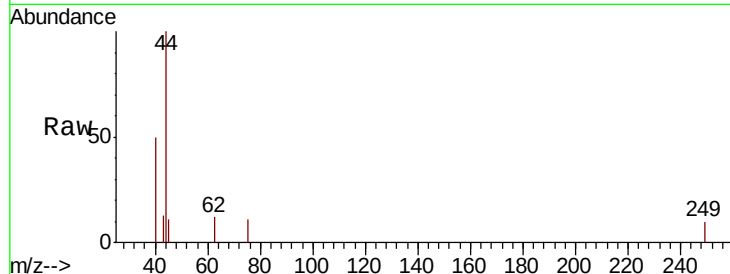




#36
 1,1-Dichloropropene
 Concen: 46.393 ug/l
 RT: 4.09 min Scan# 350
 Delta R.T. -0.19 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

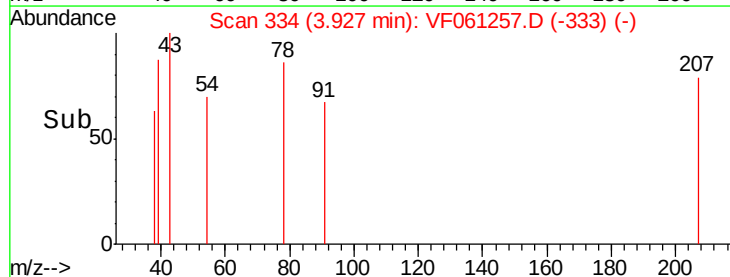
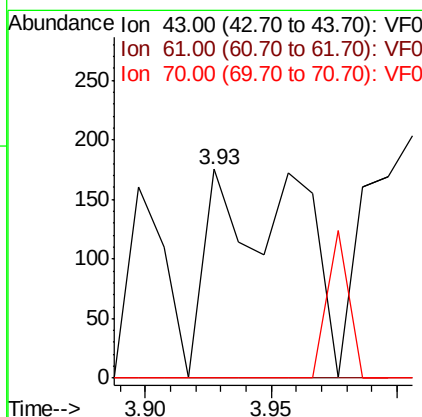
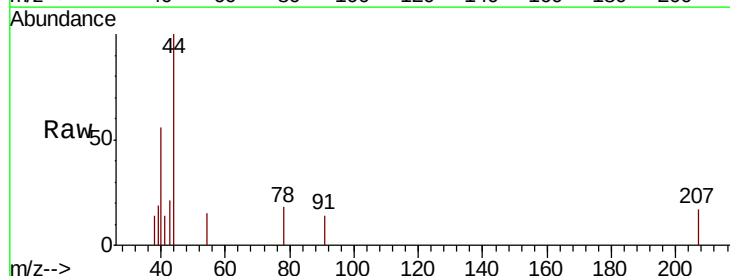
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

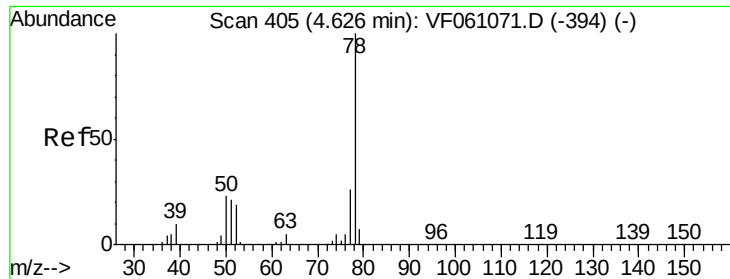
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.1	48.2#
77	0.0	24.5	36.7#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 3.93 min Scan# 334
 Delta R.T. -0.19 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	56.6	84.8#
70	0.0	6.3	9.5#





#40

Benzene

Concen: 21.573 ug/l

RT: 4.46 min Scan# 388

Delta R.T. -0.17 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Instrument :

MSVOA_F

ClientSampleId :

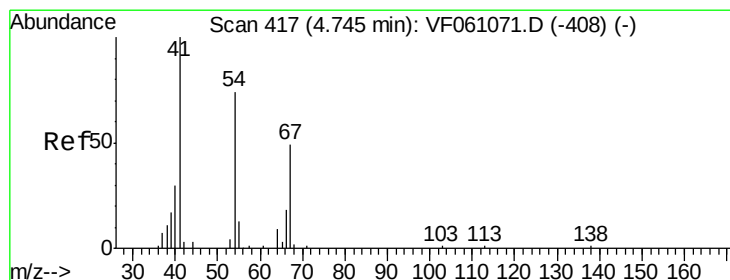
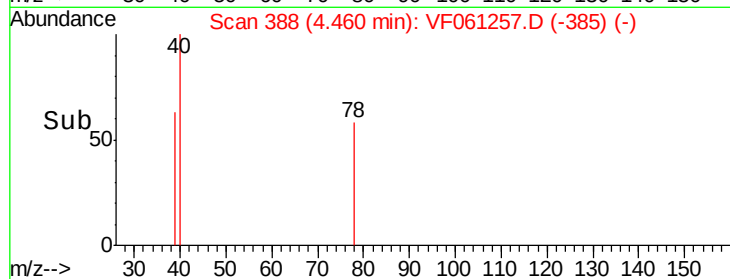
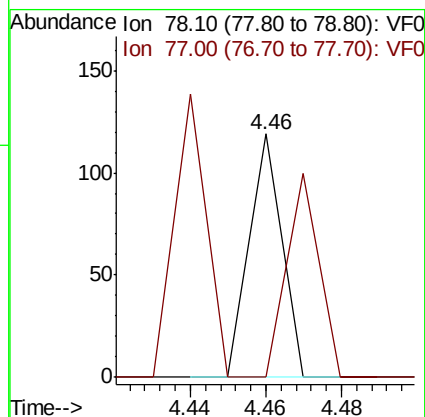
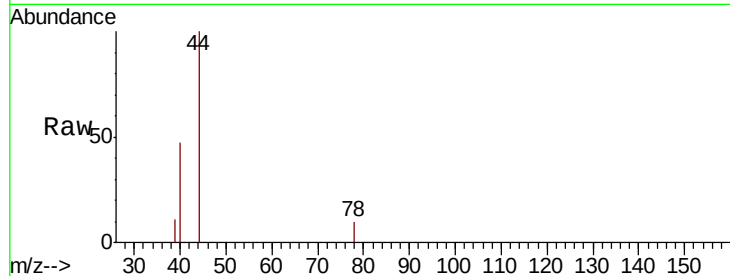
TEST-PIT-D-11-12-A

Tot Ion: 78 Resp: 70

Ion Ratio Lower Upper

78 100

77 0.0 20.7 31.1#



#41

Methacrylonitrile

Concen: 772.005 ug/l

RT: 4.52 min Scan# 394

Delta R.T. -0.23 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Tgt Ion: 41 Resp: 246

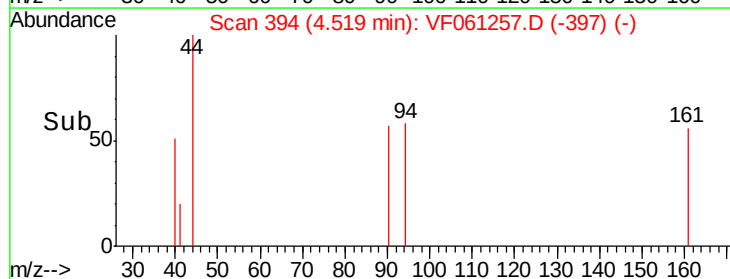
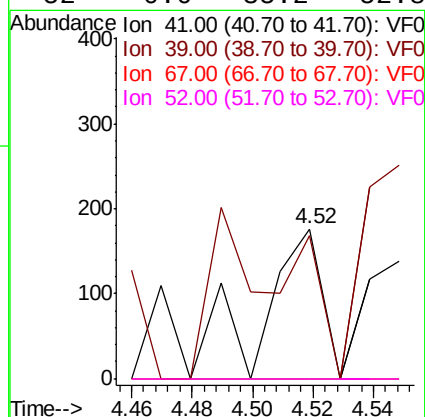
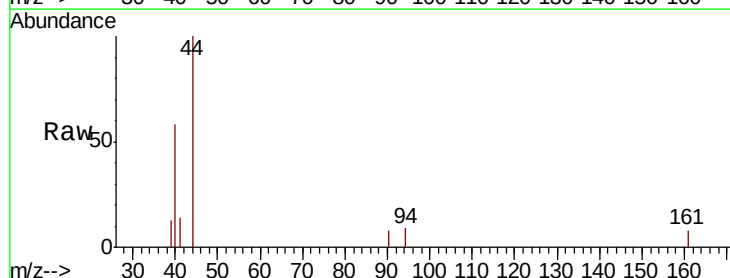
Ion Ratio Lower Upper

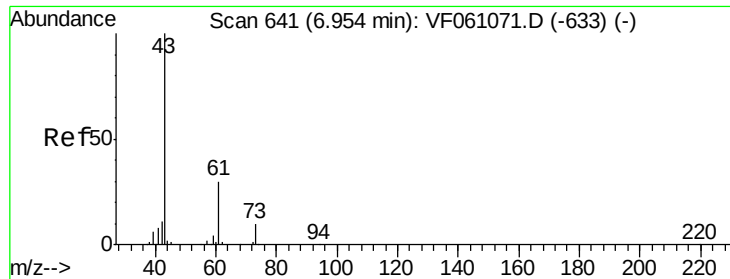
41 100

39 95.5 45.7 68.5#

67 0.0 38.9 58.3#

52 0.0 35.2 52.8#



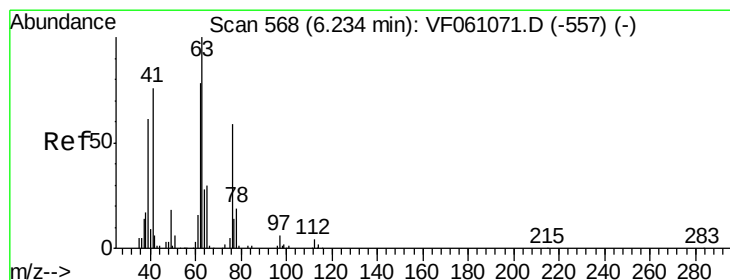
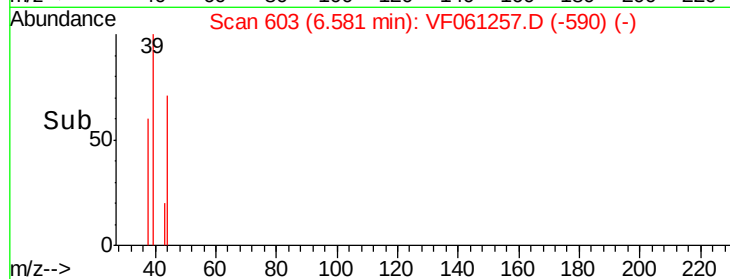
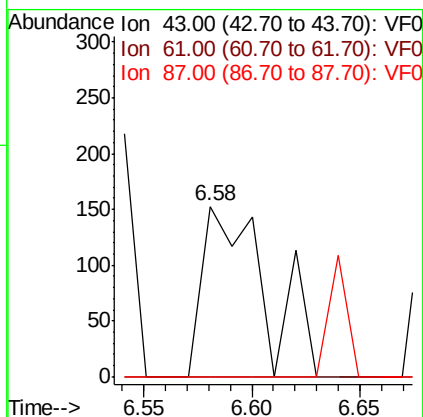
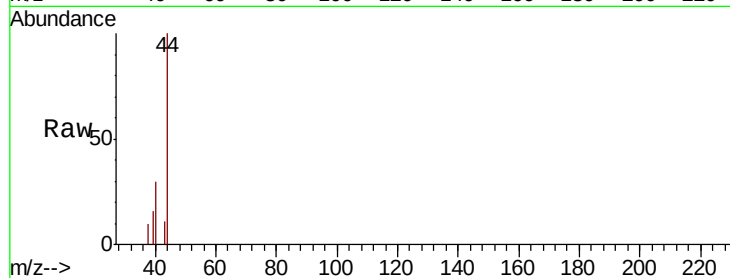


#43

Isopropyl Acetate
 Concen: 426.880 ug/l
 RT: 6.58 min Scan# 603
 Delta R.T. -0.37 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

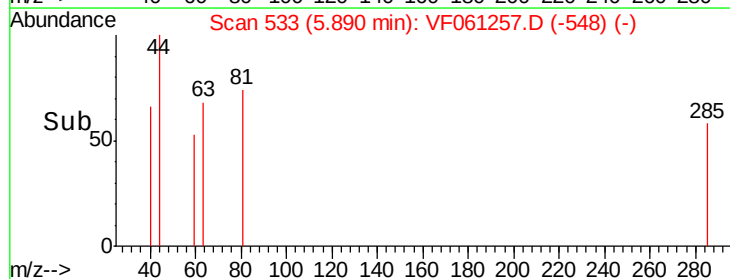
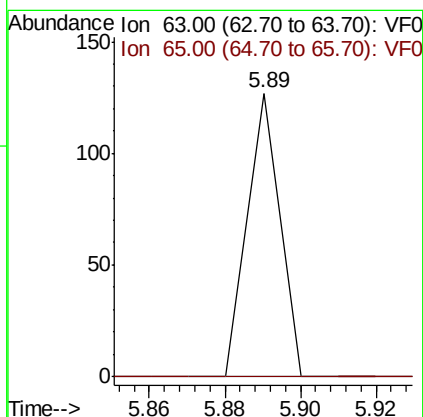
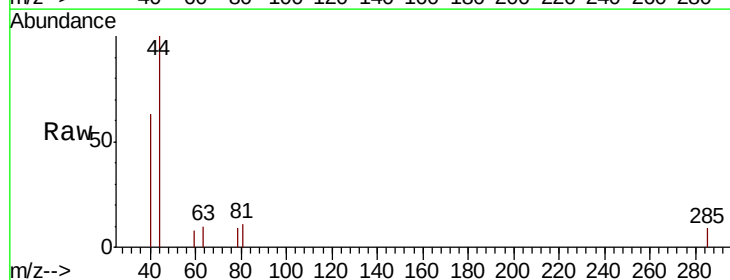
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.0	0.0

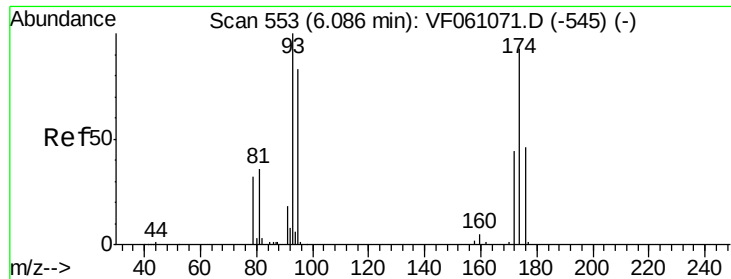


#45

1,2-Dichloropropane
 Concen: 84.958 ug/l
 RT: 5.89 min Scan# 533
 Delta R.T. -0.34 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.4	36.6#

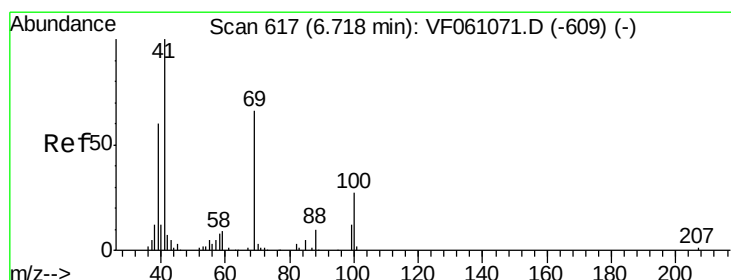
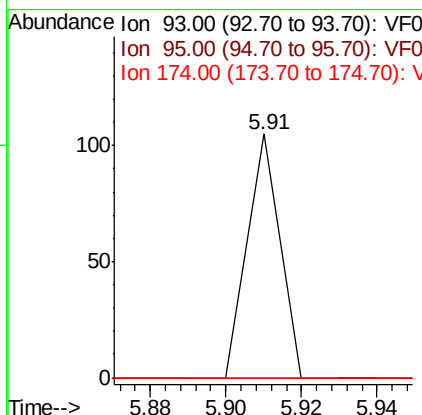
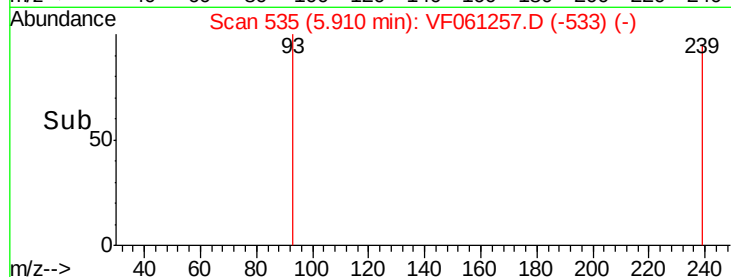
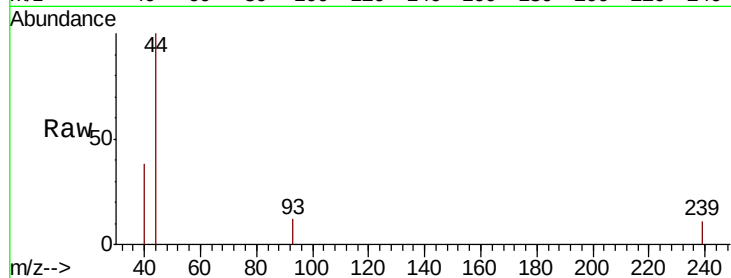




#46
Dibromomethane
Concen: 108.284 ug/l
RT: 5.91 min Scan# 535
Delta R.T. -0.18 min
Lab File: VF061257.D
Acq: 2 Jan 2019 16:35

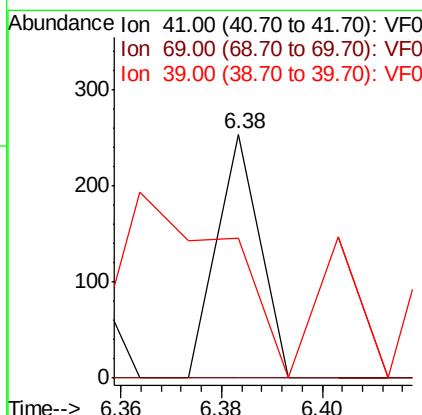
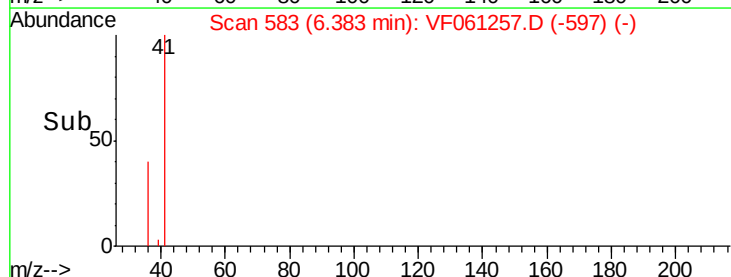
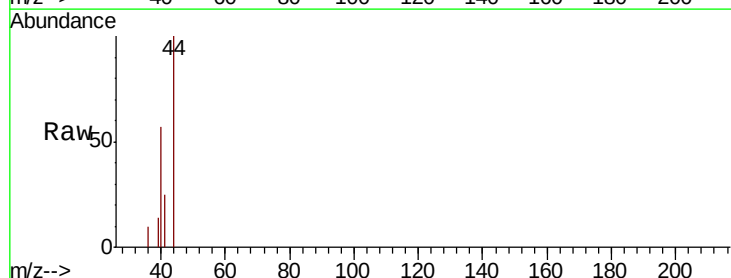
Instrument :
MSVOA_F
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TEST-PIT-D-11-12-A

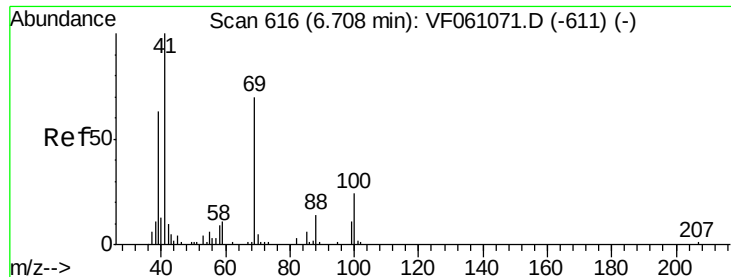
Tot Ion: 93 Resp: 62
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 74.1 111.1#



#48
Methyl methacrylate
Concen: 294.927 ug/l
RT: 6.38 min Scan# 583
Delta R.T. -0.33 min
Lab File: VF061257.D
Acq: 2 Jan 2019 16:35

Tgt Ion: 41 Resp: 150
Ion Ratio Lower Upper
41 100
69 0.0 52.7 79.1#
39 57.3 47.8 71.6





#49

1,4-Dioxane

Concen: 17613.313 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.64 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-A

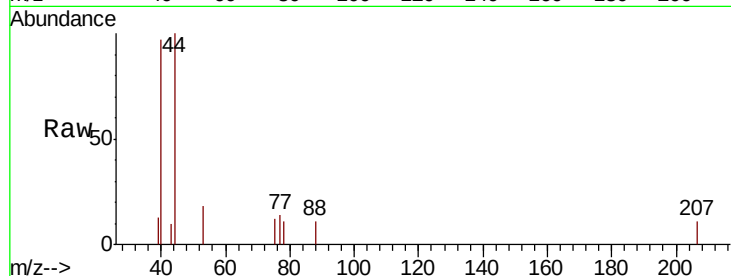
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 91.7 33.3 49.9#

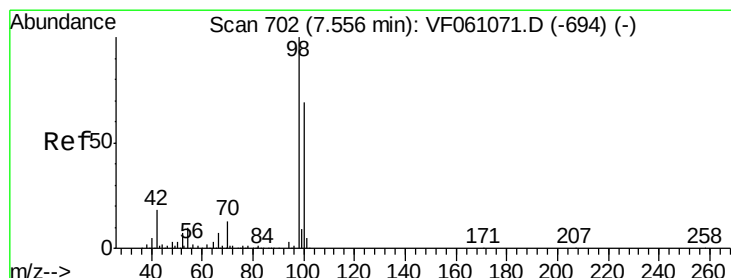
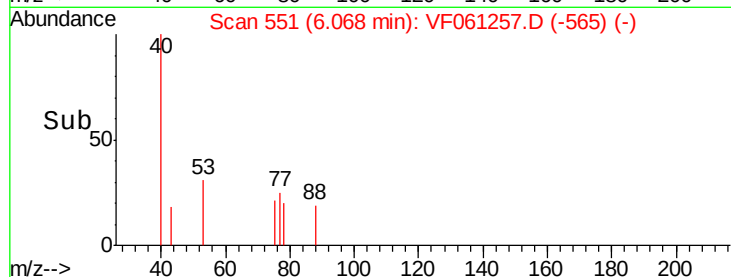
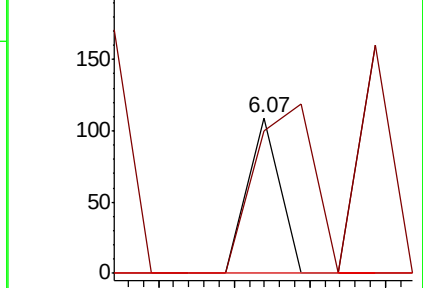
58 0.0 53.2 79.8#



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: 23.259 ug/l

RT: 7.07 min Scan# 653

Delta R.T. -0.48 min

Lab File: VF061257.D

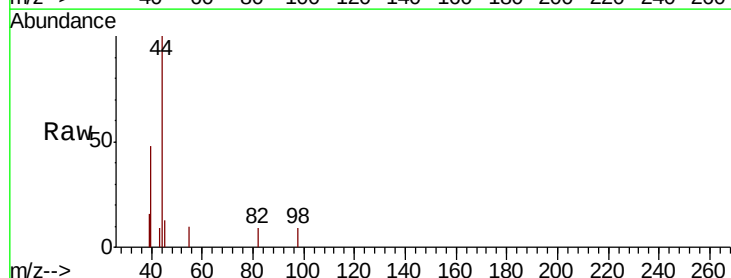
Acq: 2 Jan 2019 16:35

Tgt Ion: 98 Resp: 66

Ion Ratio Lower Upper

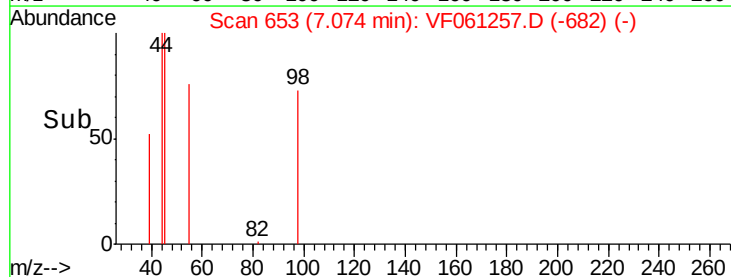
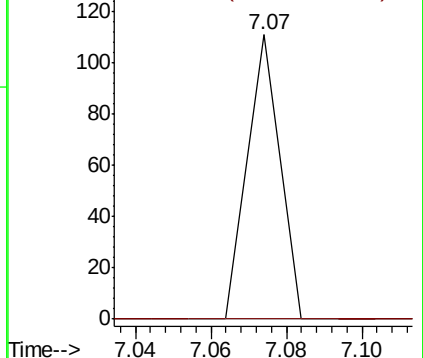
98 100

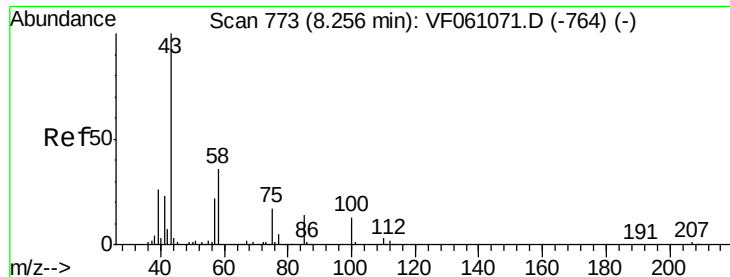
100 0.0 55.3 82.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 196.137 ug/l

RT: 7.89 min Scan# 736

Delta R.T. -0.36 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Instrument :

MSVOA_F

ClientSampleId :

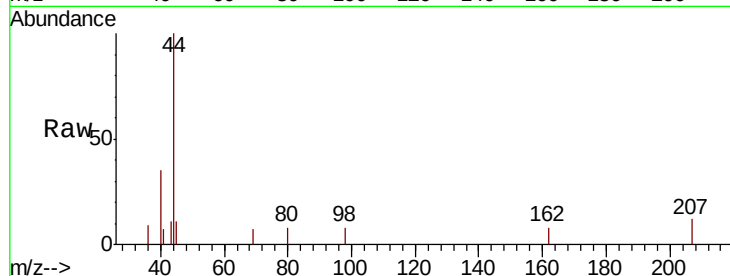
TEST-PIT-D-11-12-A

Tot Ion: 43 Resp: 98

Ion Ratio Lower Upper

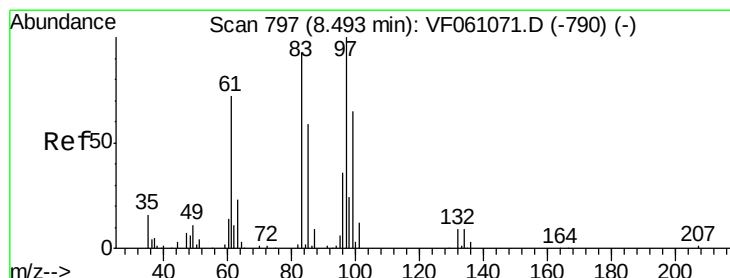
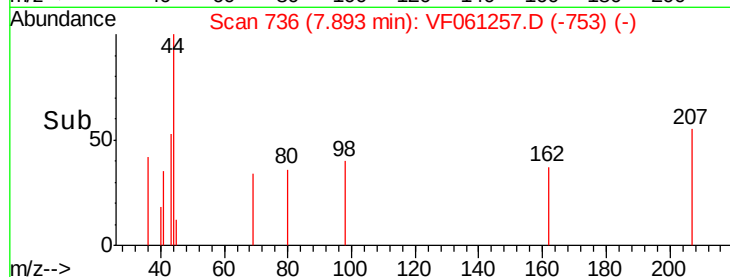
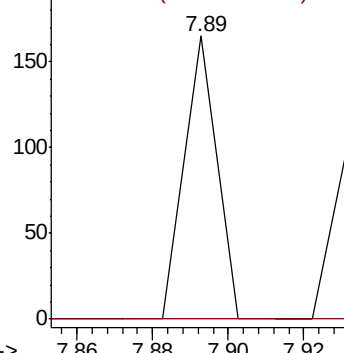
43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#55

1,1,2-Trichloroethane

Concen: 105.607 ug/l

RT: 8.01 min Scan# 748

Delta R.T. -0.48 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

Tgt Ion: 97 Resp: 68

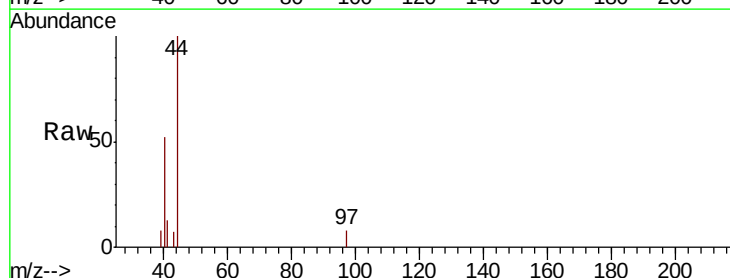
Ion Ratio Lower Upper

97 100

83 0.0 75.0 112.4#

85 0.0 47.5 71.3#

99 0.0 51.9 77.9#

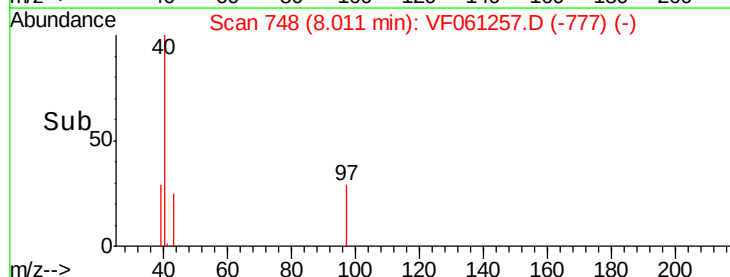
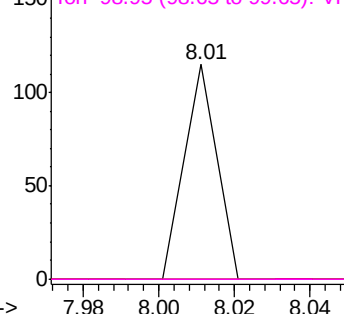


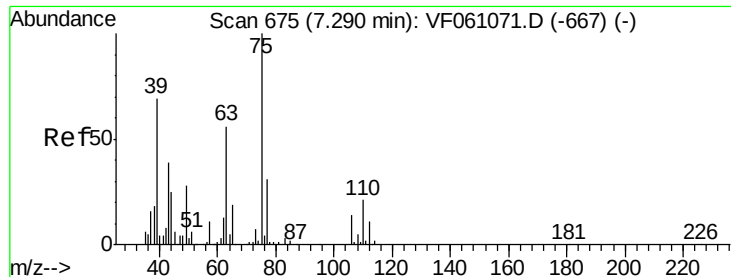
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

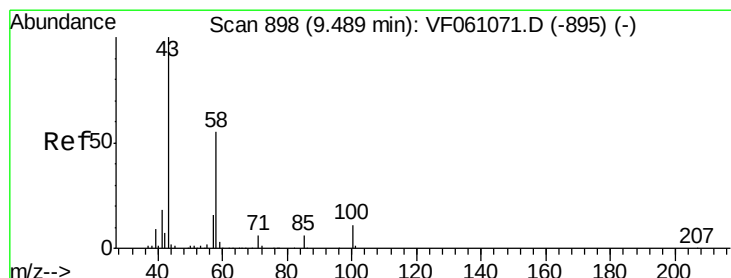
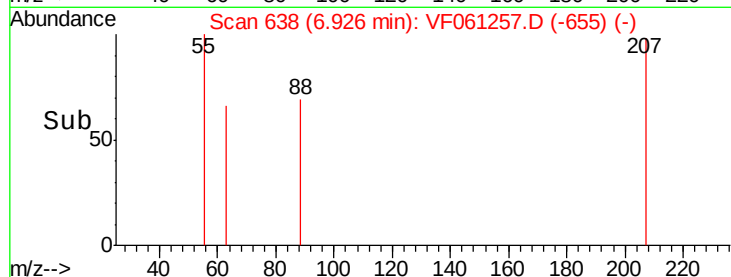
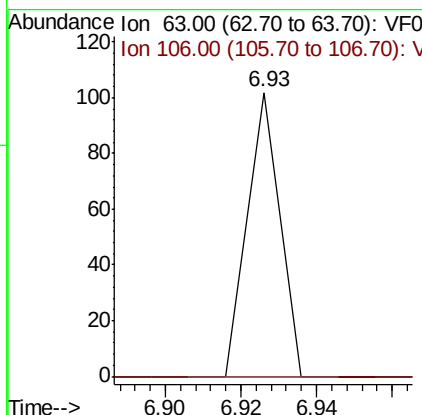
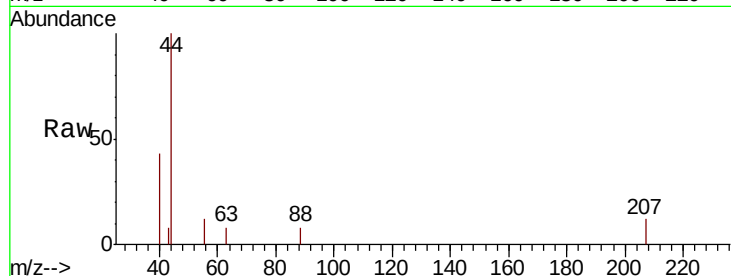




#58
 2-Chloroethyl Vinyl ether
 Concen: 448.380 ug/l
 RT: 6.93 min Scan# 638
 Delta R.T. -0.36 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

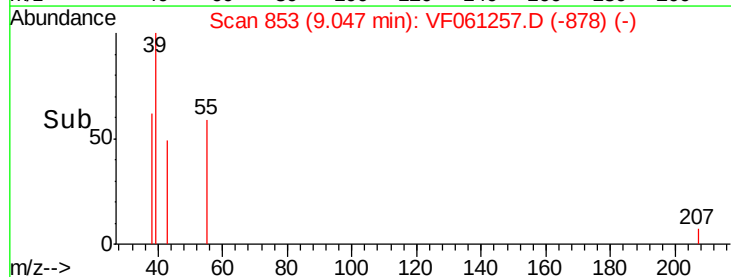
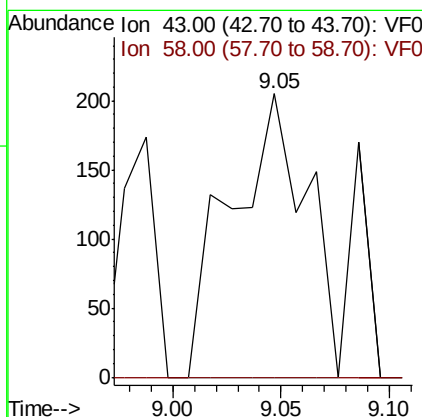
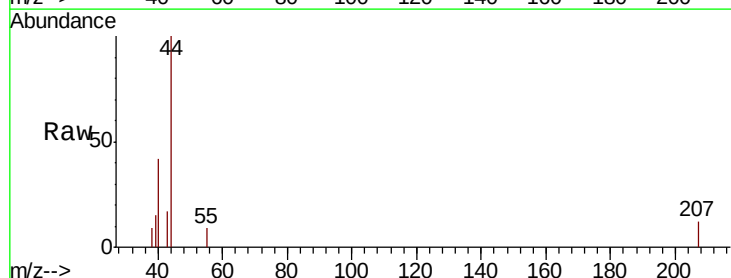
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

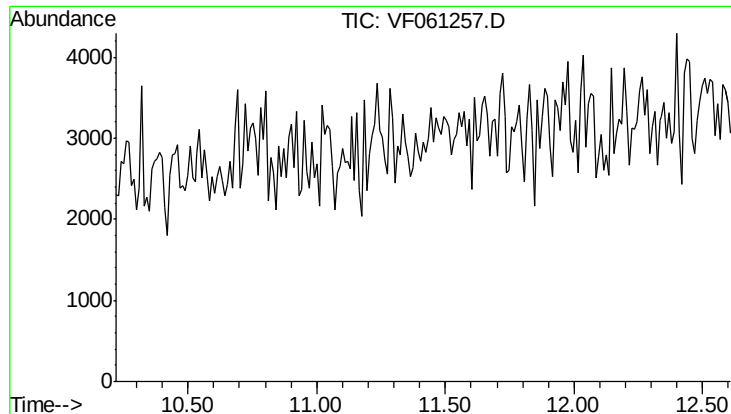
Tot Ion: 63 Resp: 60
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.8 29.8#



#59
 2-Hexanone
 Concen: 1392.058 ug/l
 RT: 9.05 min Scan# 853
 Delta R.T. -0.44 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Tgt Ion: 43 Resp: 503
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.1 75.2#



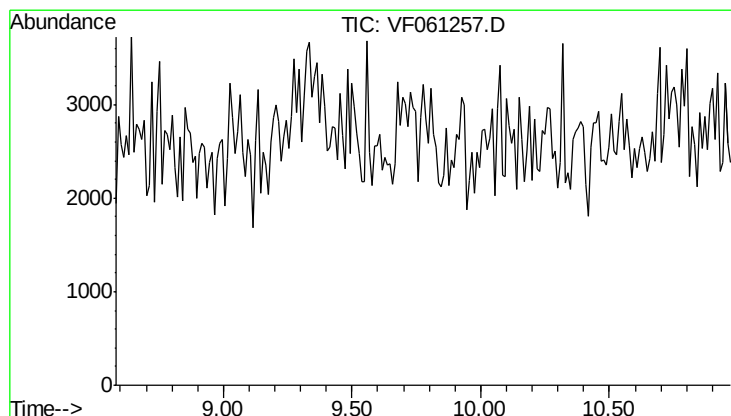
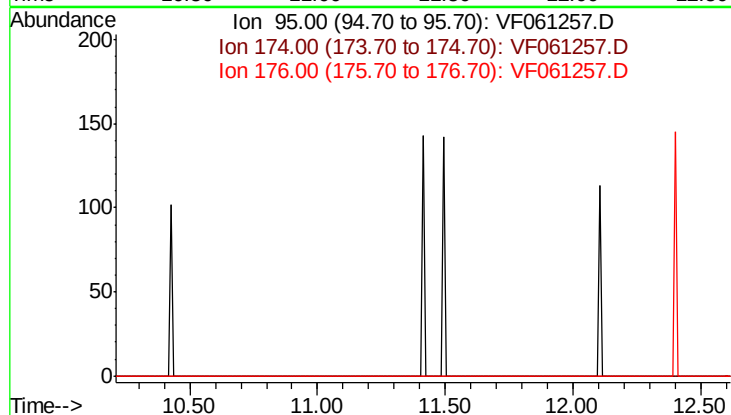


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.41 min

Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

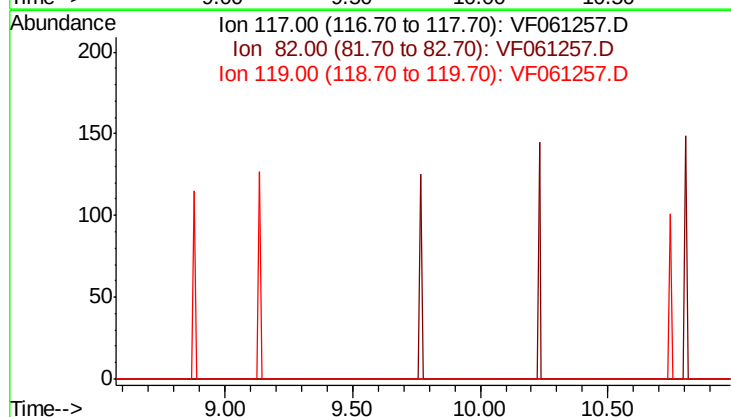
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 71.9
 176 73.8

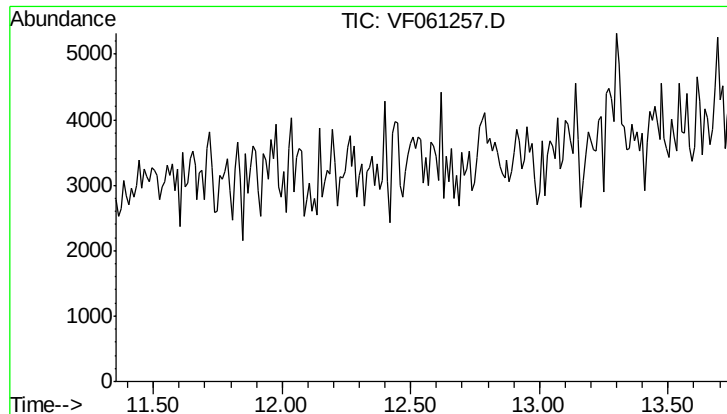


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min

Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 56.2
 119 31.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

Tot Ion: 152
 Sig Exp Ratio
 152 100
 115 66.6
 150 164.1

