

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 03:49:22 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						
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%	

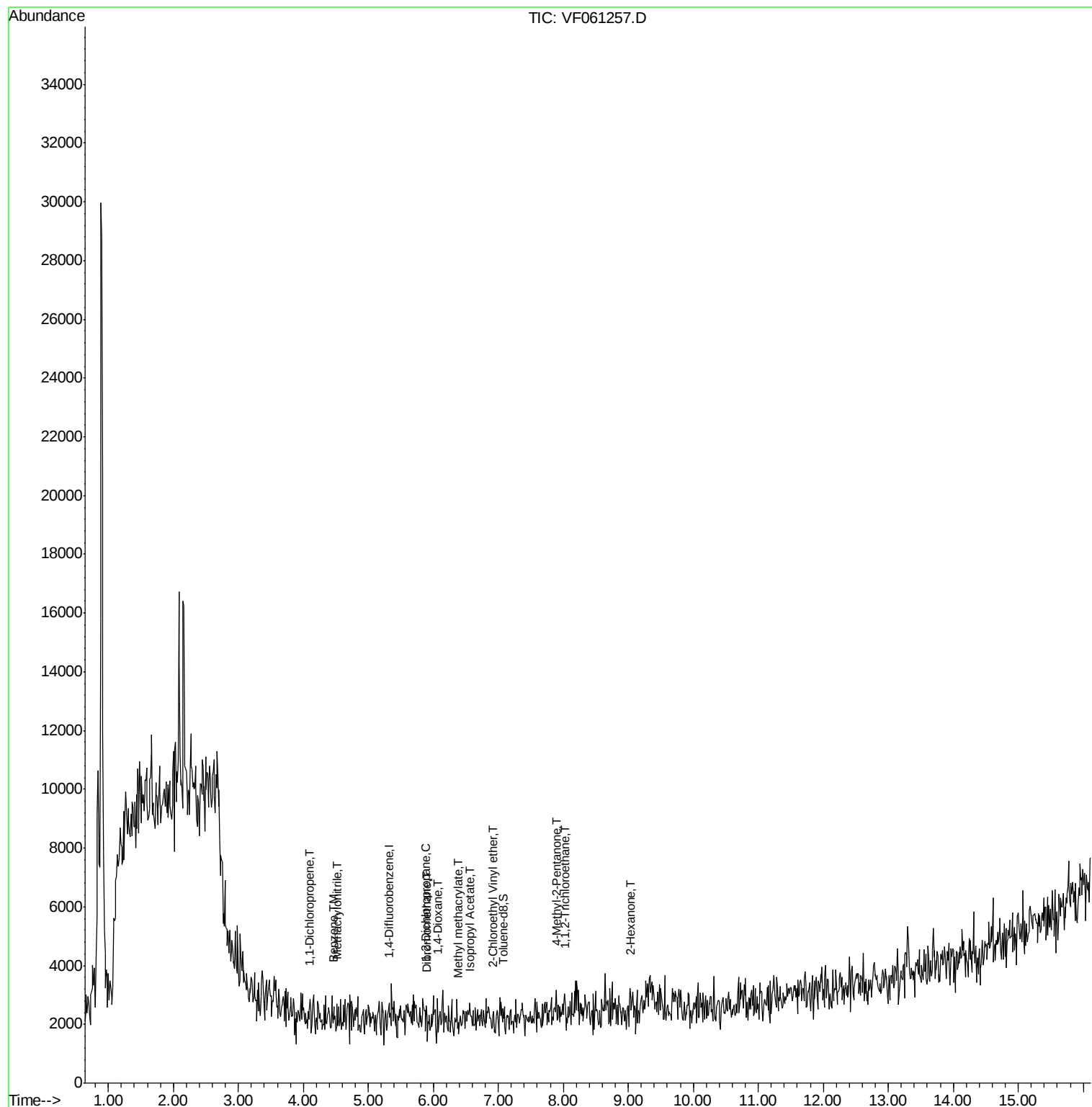
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.09	75	70	46.393	ug/l #	43
37) Ethyl Acetate	3.93	43	426	Below Cal	#	21
40) Benzene	4.46	78	70	21.573	ug/l #	49
41) Methacrylonitrile	4.52	41	246	772.005	ug/l #	37
43) Isopropyl Acetate	6.58	43	311	426.880	ug/l #	45
45) 1,2-Dichloropropane	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

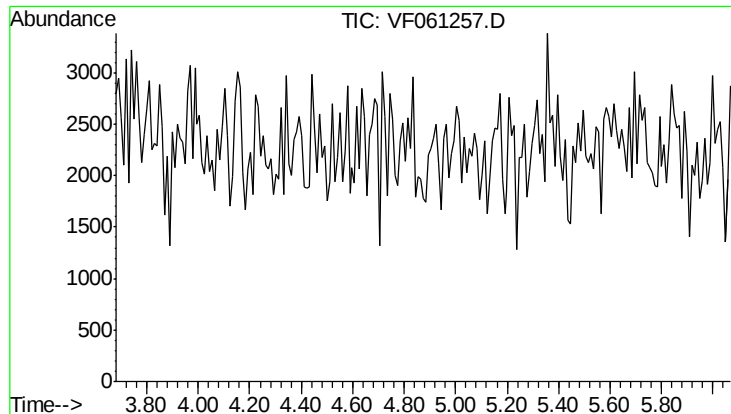
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Tgt Ion: 168

Sig Exp Ratio

168 100

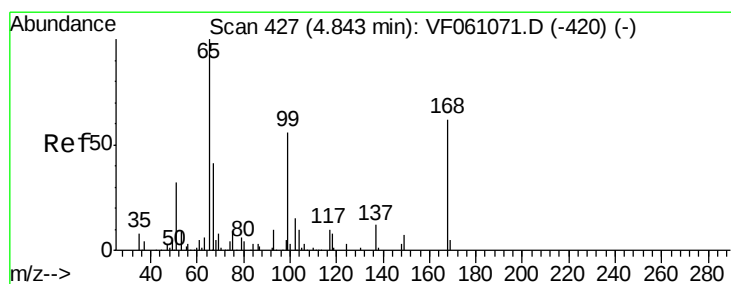
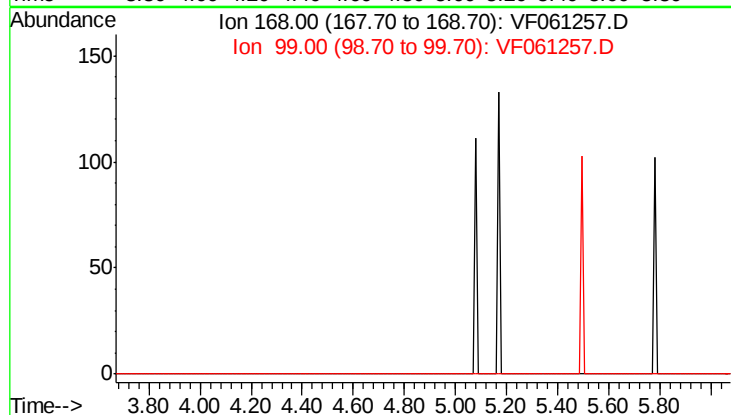
99 68.0

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

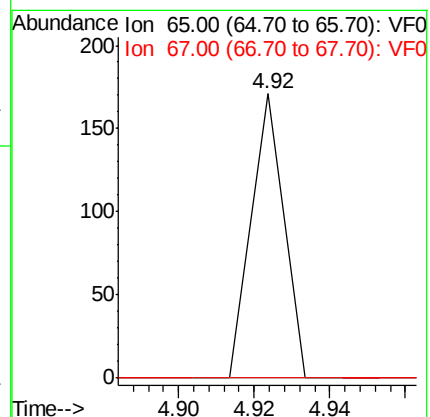
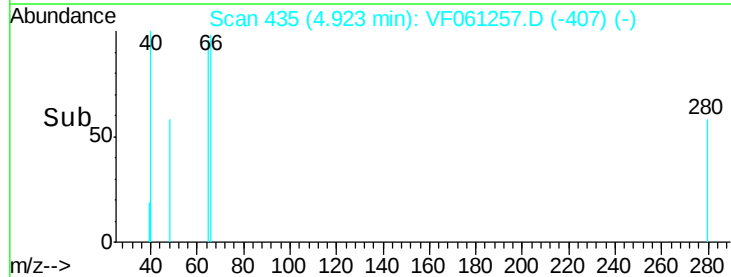
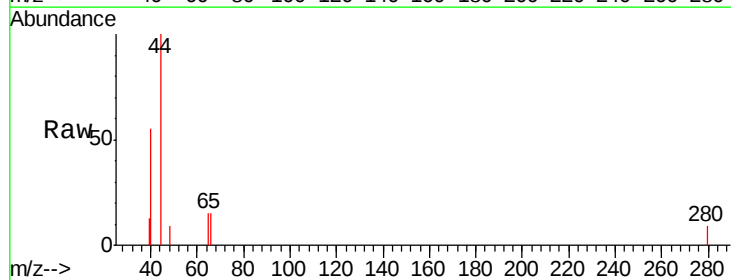
Acq: 2 Jan 2019 16:35

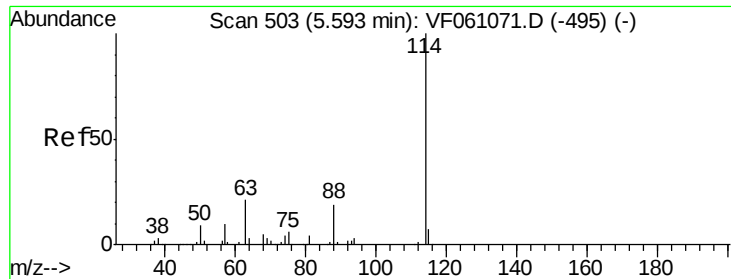
Tgt Ion: 65 Resp: 101

Ion Ratio Lower Upper

65 100

67 0.0 0.0 94.6

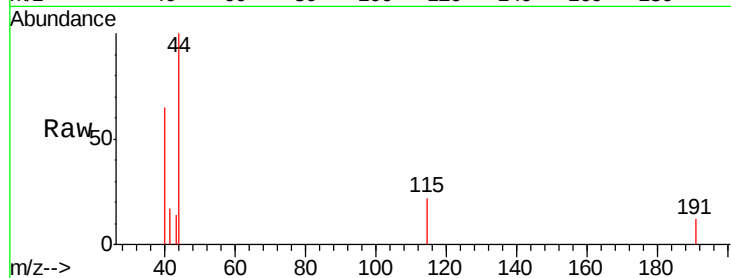




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.33 min Scan# 476
Delta R.T. -0.27 min
Lab File: VF061257.D
Acq: 2 Jan 2019 16:35

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

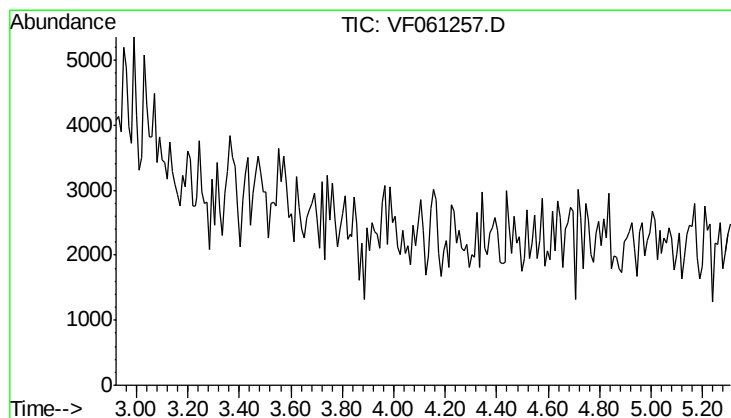
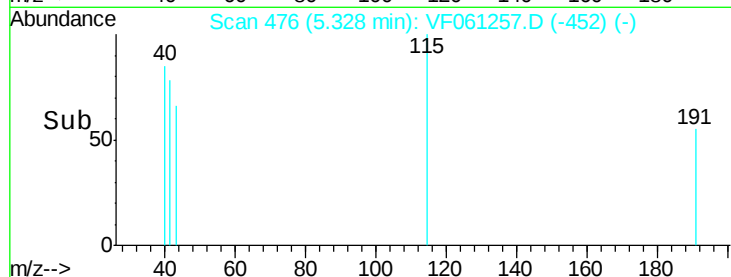
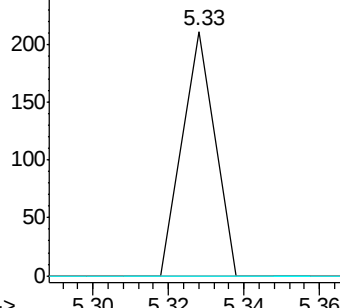
Tgt Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	41.6
88	0.0	0.0	38.0



Abundance Ion 114.00 (113.70 to 114.70): V

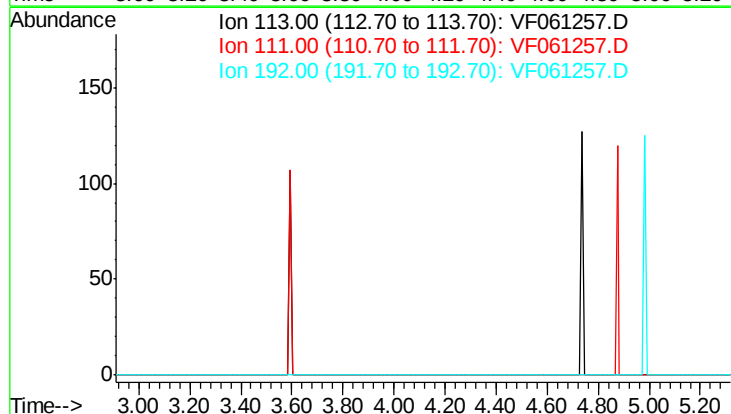
Ion 63.00 (62.70 to 63.70): VF0

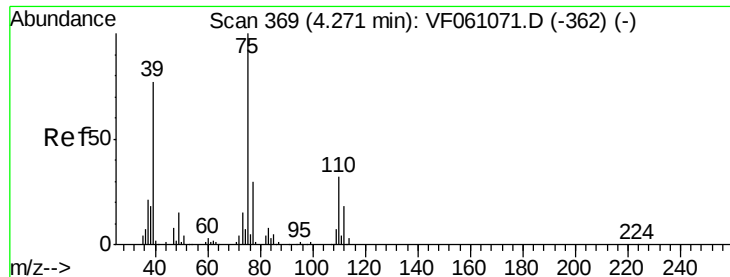
Ion 88.00 (87.70 to 88.70): VF0



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.11 min
Lab File: VF061257.D
Acq: 2 Jan 2019 16:35

Tgt Ion	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

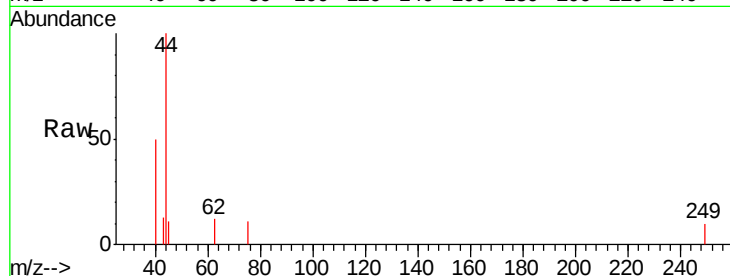
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

110 0.0 16.1 48.2#

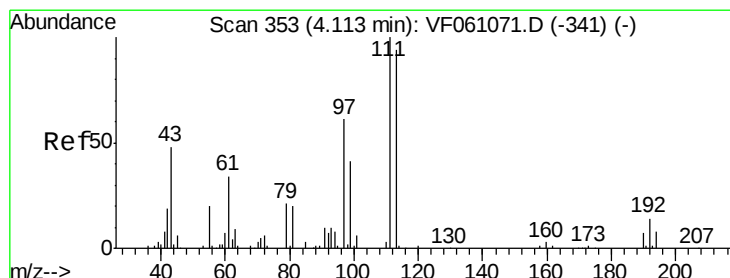
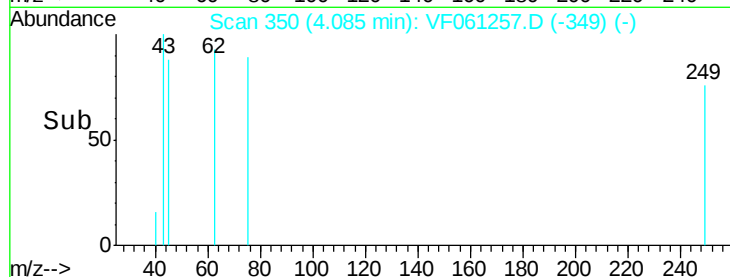
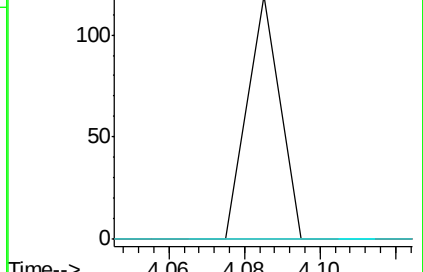
77 0.0 24.5 36.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#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

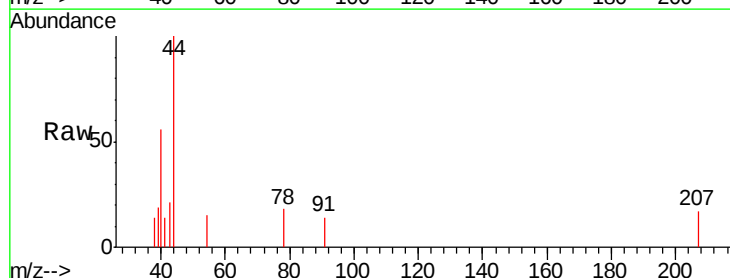
Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

61 0.0 56.6 84.8#

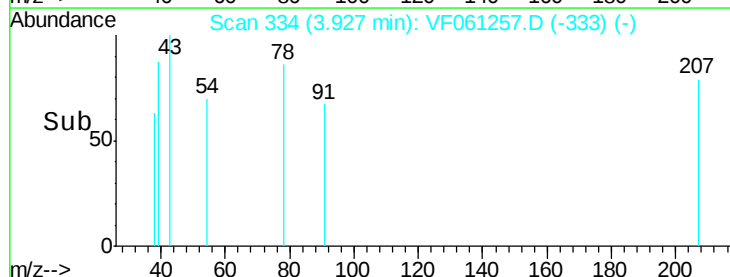
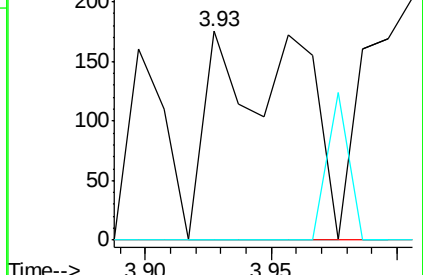
70 0.0 6.3 9.5#

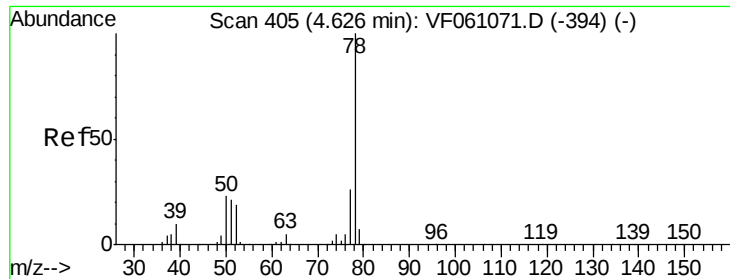


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#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 :

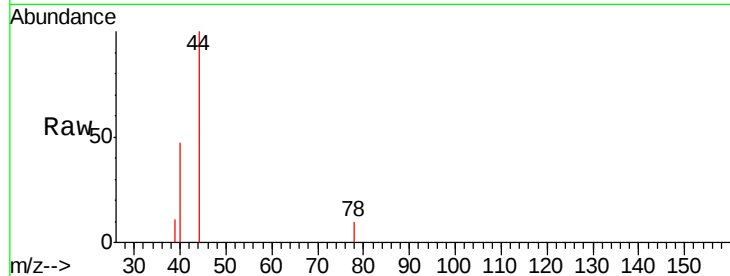
TEST-PIT-D-11-12-A

Tgt Ion: 78 Resp: 70

Ion Ratio Lower Upper

78 100

77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

150

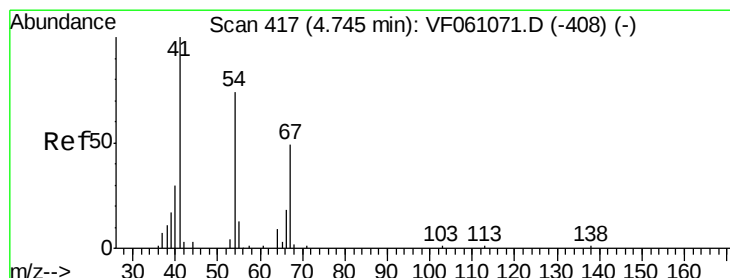
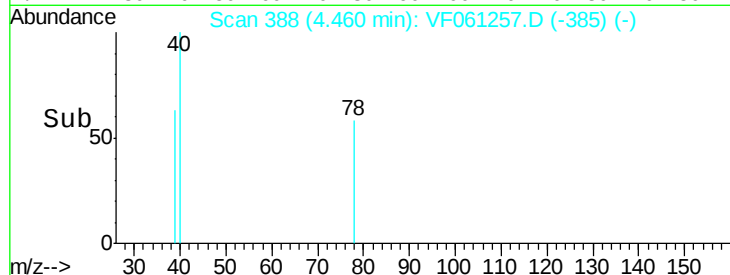
100

50

0

4.44 4.46 4.48

Time-->



#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

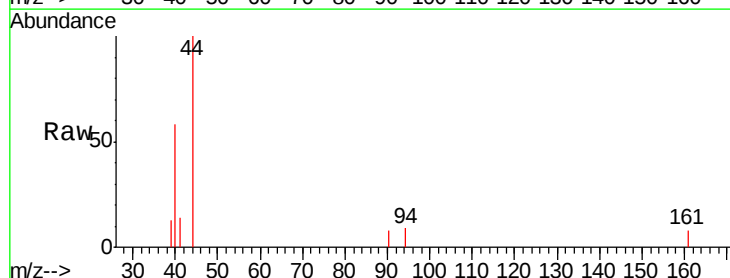
Ion Ratio Lower Upper

41 100

39 95.5 45.7 68.5#

67 0.0 38.9 58.3#

52 0.0 35.2 52.8#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

400

300

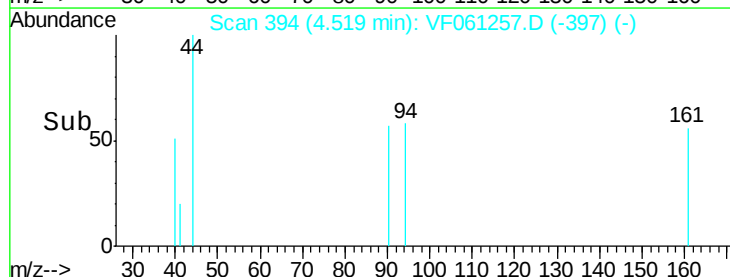
200

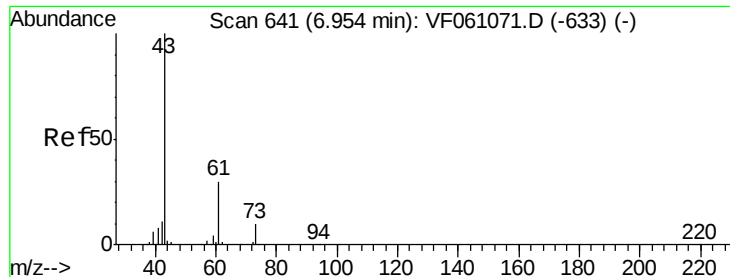
100

0

4.46 4.48 4.50 4.52 4.54

Time-->



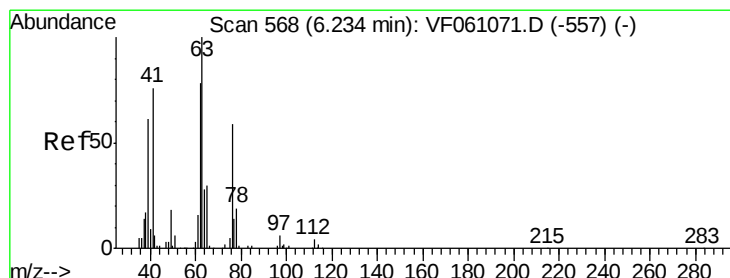
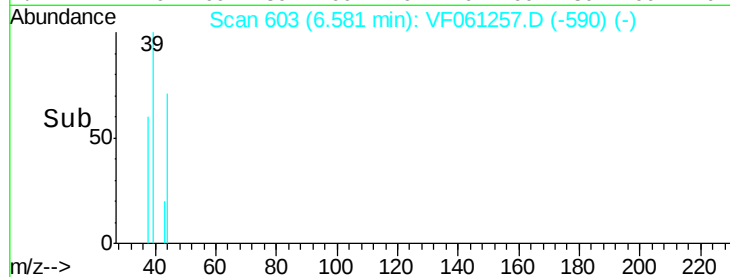
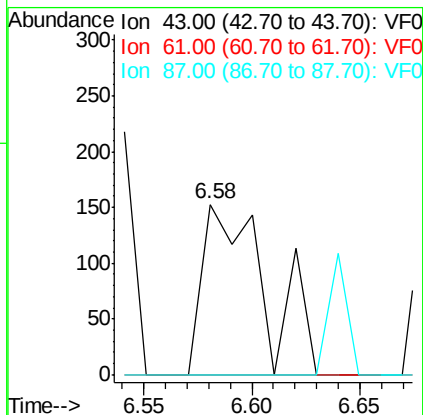
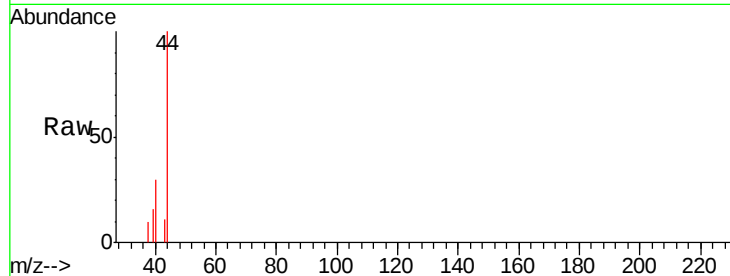


#43

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

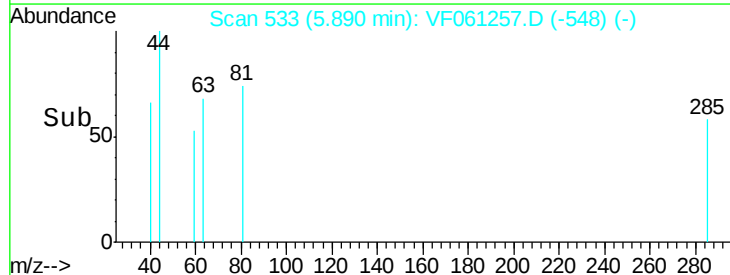
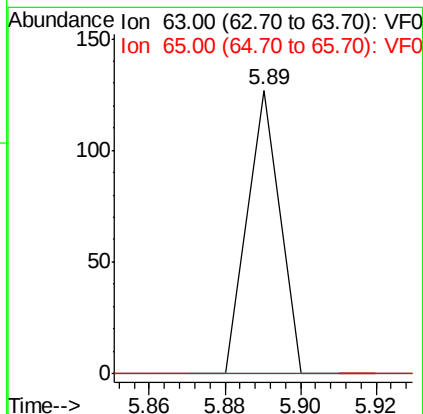
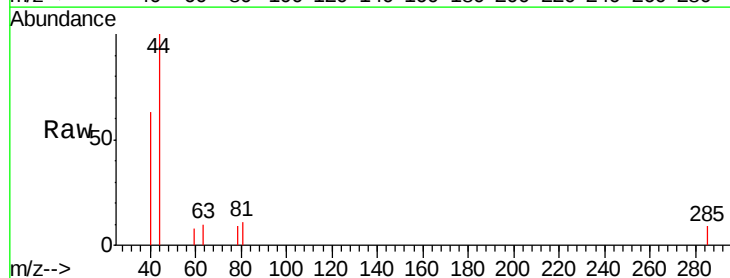
Tgt Ion: 43 Resp: 311
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.8 35.8#
 87 0.0 0.0 0.0

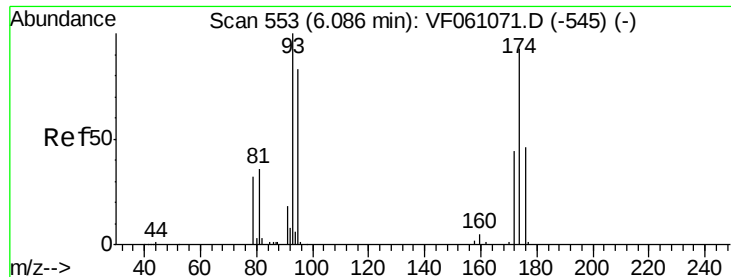


#45

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: 63 Resp: 75
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#

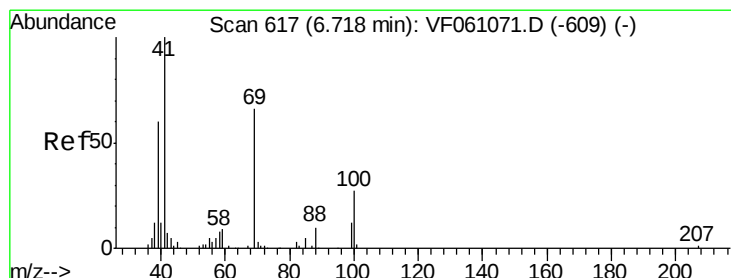
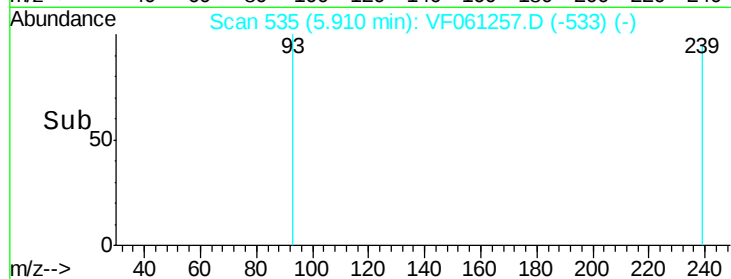
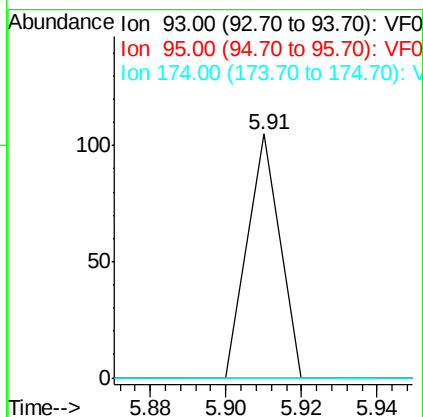
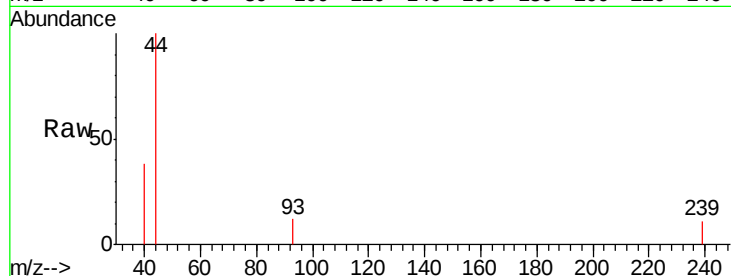




#46
Dibromomethane
Concen: 108.284 ug/l
RT: 5.91 min Scan# 535
Delta R.T. -0.18 min
Lab File: VF061257.D
Acq: 2 Jan 2019 16:35

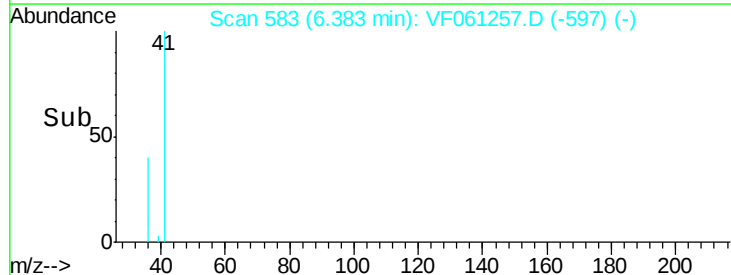
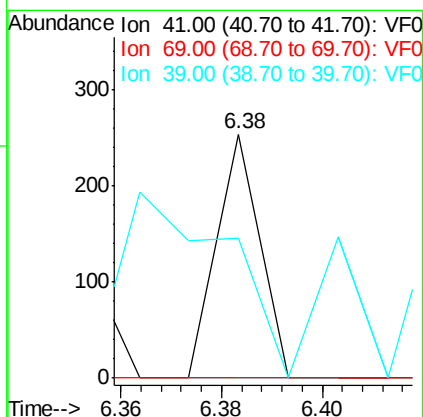
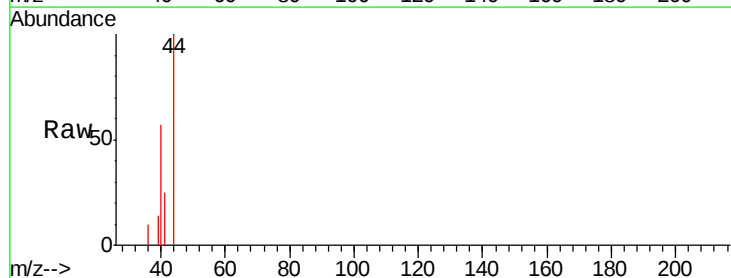
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-D-11-12-A

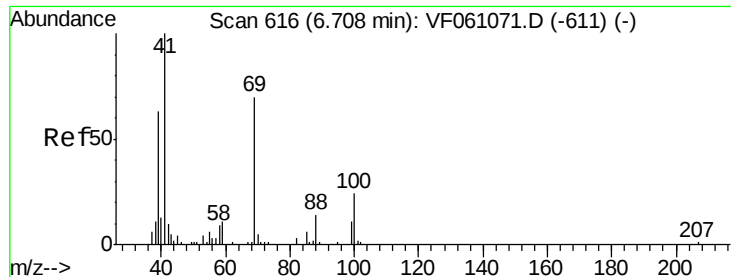
Tgt Ion: 93 Resp: 62
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 74.1 111.1#



#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

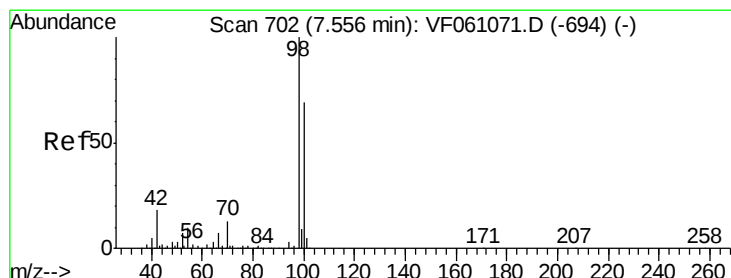
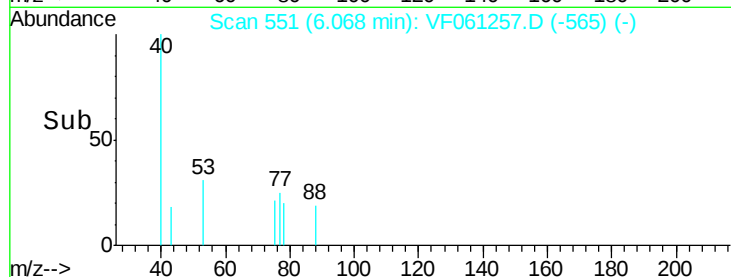
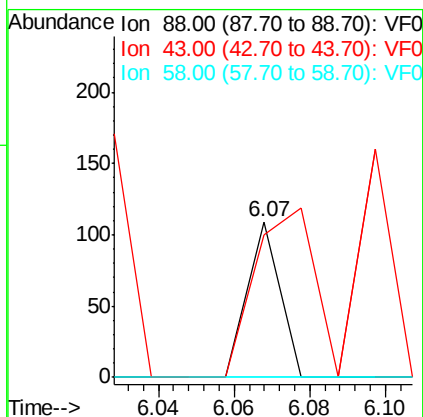
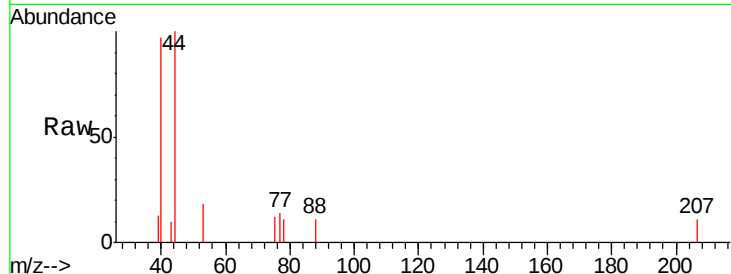




#49
1,4-Dioxane
Concen: 17613.313 ug/l
RT: 6.07 min Scan# 551
Delta R.T. -0.64 min
Lab File: VF061257.D
Acq: 2 Jan 2019 16:35

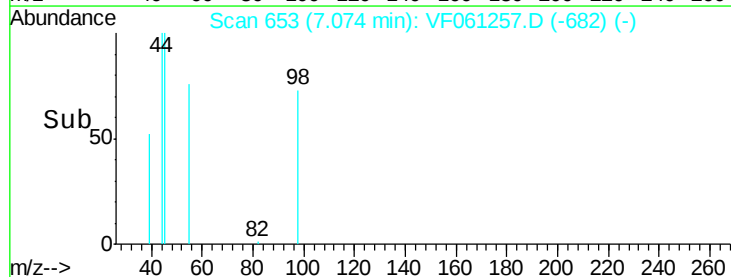
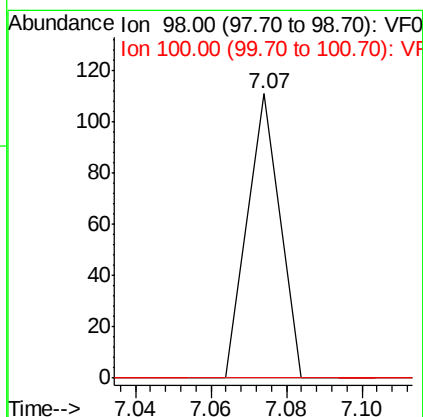
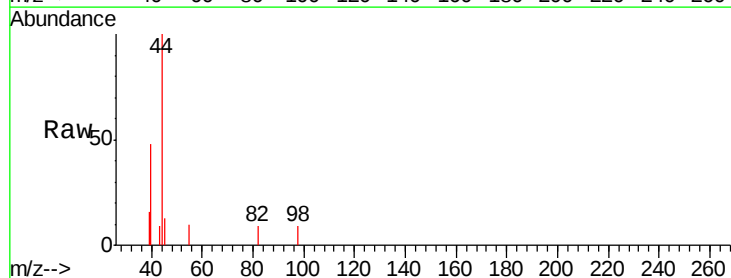
Instrument :
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TEST-PIT-D-11-12-A

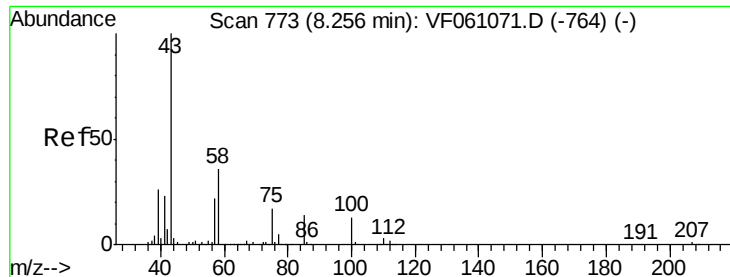
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 91.7 33.3 49.9#
58 0.0 53.2 79.8#



#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#





#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 :

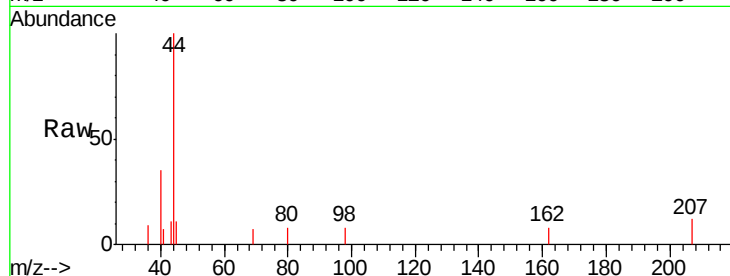
TEST-PIT-D-11-12-A

Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

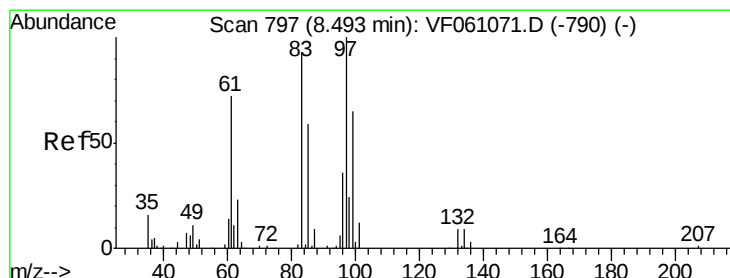
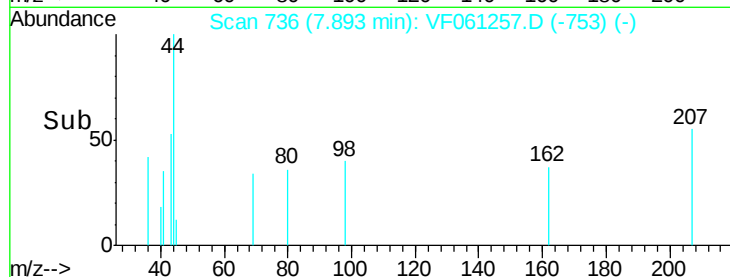
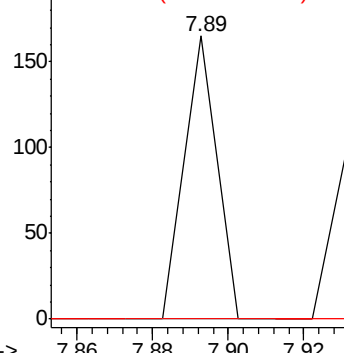
43 100

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

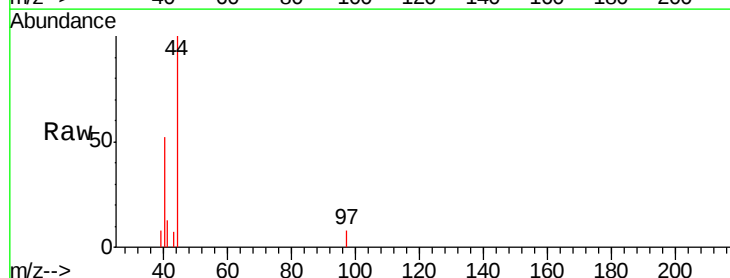
Ion Ratio Lower Upper

97 100

83 0.0 75.0 112.4#

85 0.0 47.5 71.3#

99 0.0 51.9 77.9#

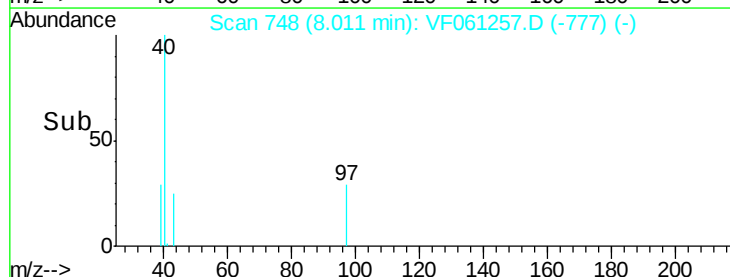
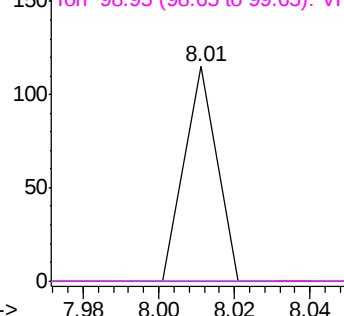


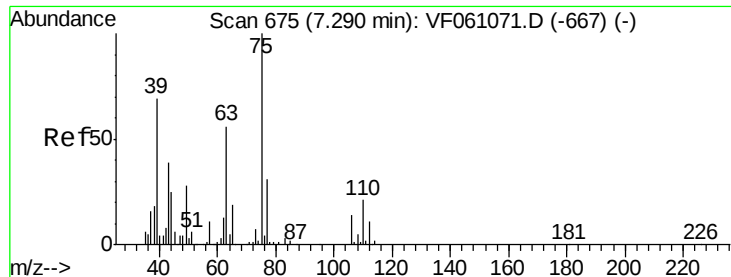
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

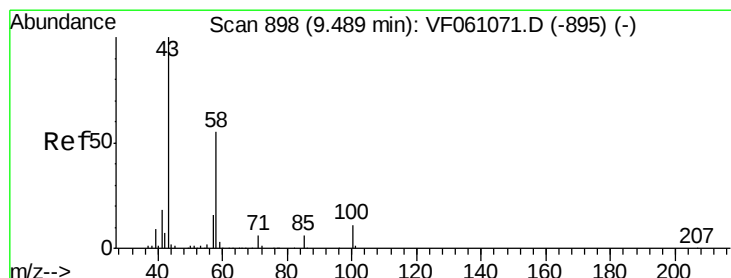
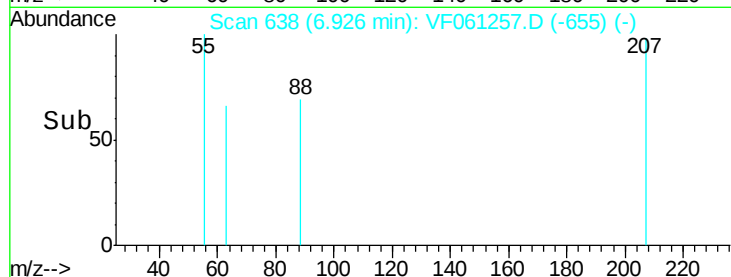
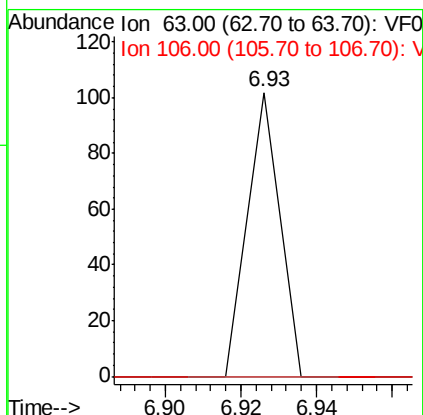
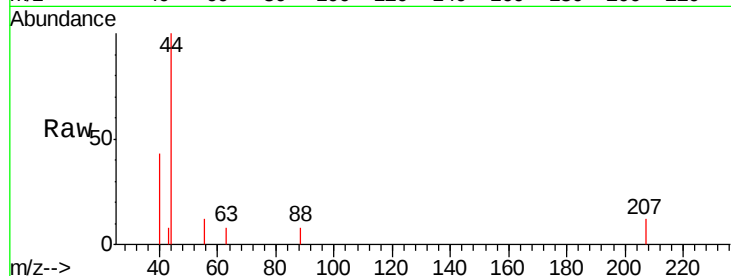




#58
 2-Chloroethyl Vinyl ether
 Concen: 448.380 ug/l
 RT: 6.93 min Scan# 638
 Delta R.T. -0.36 min
 Lab File: VF061257.D
 Acq: 2 Jan 2019 16:35

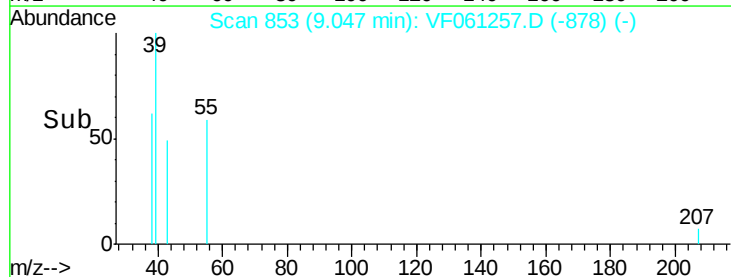
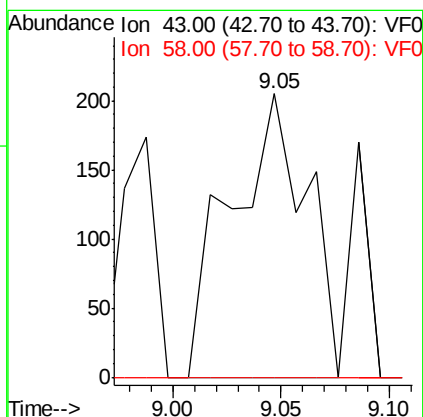
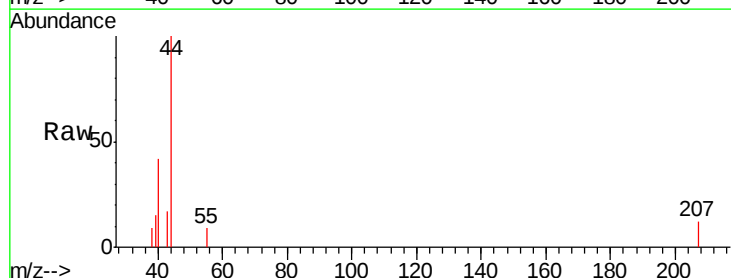
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-A

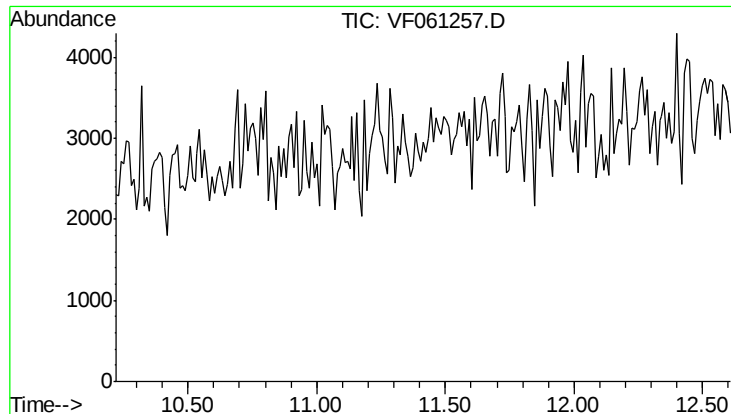
Tgt Ion: 63 Resp: 60
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.8 29.8#



#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

Tgt Ion: 95

Sig Exp Ratio

95 100

174 71.9

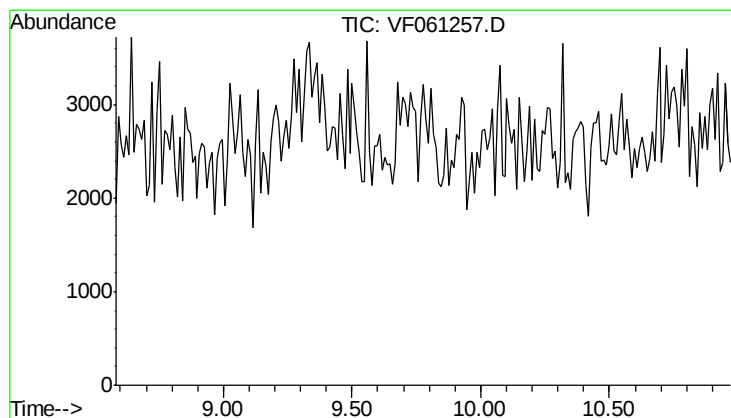
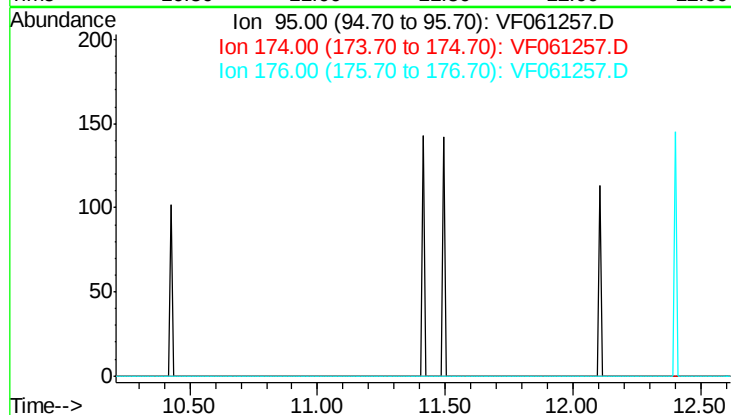
176 73.8

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-A



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.78 min

Lab File: VF061257.D

Acq: 2 Jan 2019 16:35

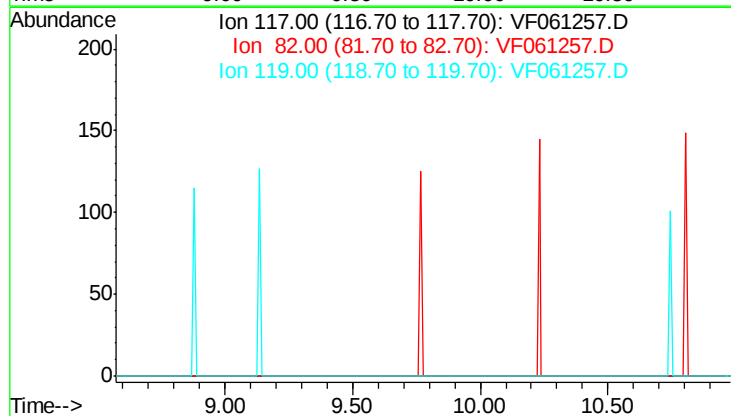
Tgt Ion: 117

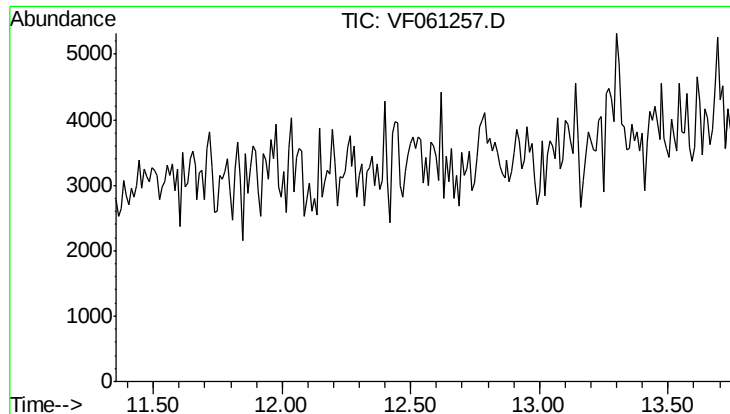
Sig Exp Ratio

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

Tgt	Ion
152	100
115	66.6
150	164.1

