

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061260.D
 Acq On : 2 Jan 2019 18:01
 Operator : VA/AP
 Sample : K1019-07
 Misc : 4.42g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D13

Quant Time: Jan 03 03:50:05 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

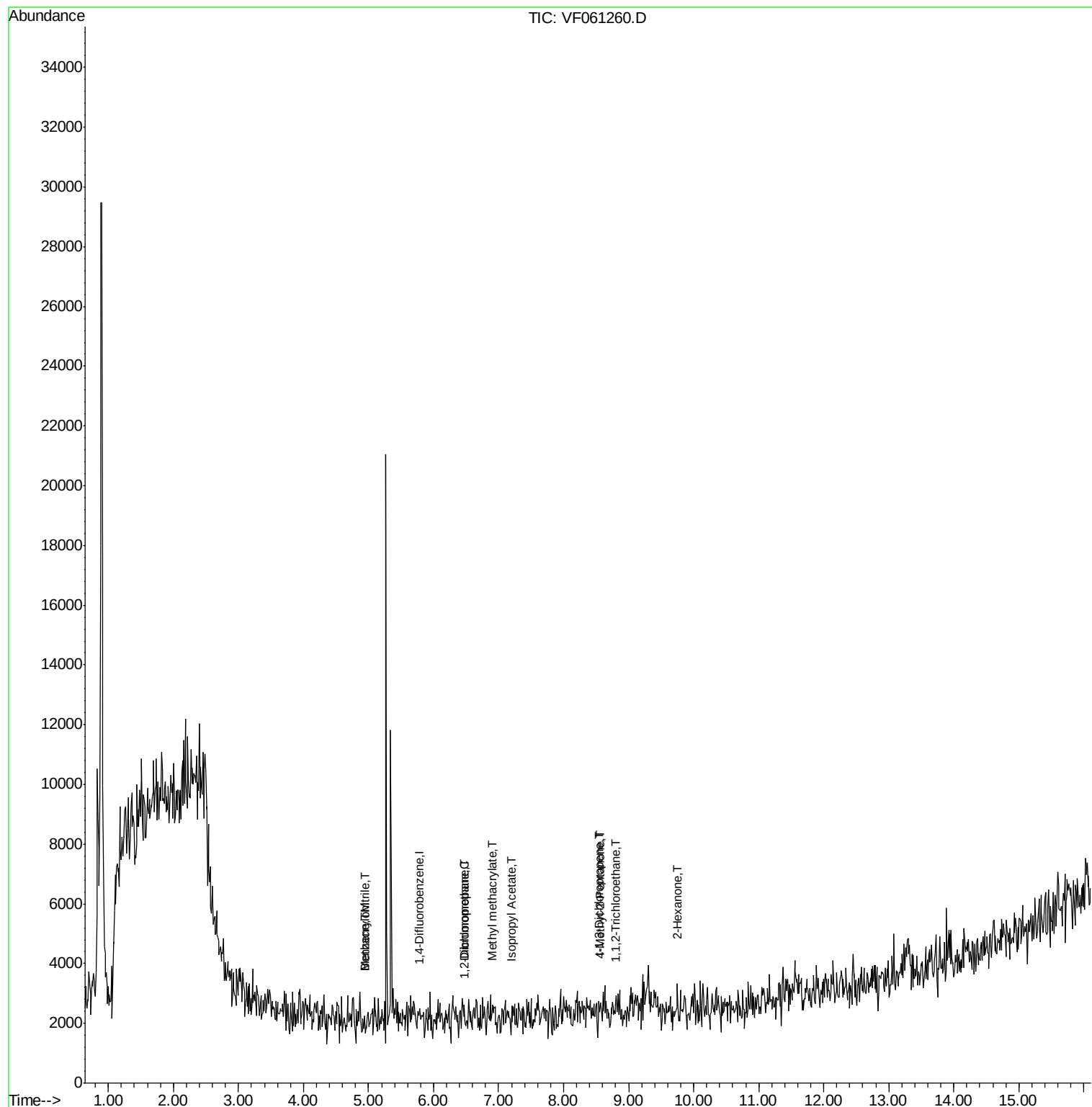
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	5.79	114	69	50.00	ug/l	0.20
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	82	0.00	ug/l	0.00
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	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
					Qvalue	
37) Ethyl Acetate	4.23	43	483	Below Cal	#	21
40) Benzene	4.93	78	71	39.640	ug/l #	49
41) Methacrylonitrile	4.93	41	172	977.855	ug/l #	27
43) Isopropyl Acetate	7.20	43	207	514.727	ug/l #	45
45) 1,2-Dichloropropane	6.49	63	76	155.961	ug/l #	44
46) Dibromomethane	6.46	93	120	379.679	ug/l #	5
48) Methyl methacrylate	6.92	41	90	320.573	ug/l #	19
51) 4-Methyl-2-Pentanone	8.56	43	511	1852.745	ug/l #	38
53) t-1,3-Dichloropropene	8.53	75	62	93.589	ug/l #	42
55) 1,1,2-Trichloroethane	8.79	97	69	194.131	ug/l #	12
59) 2-Hexanone	9.75	43	398	1995.416	ug/l	86

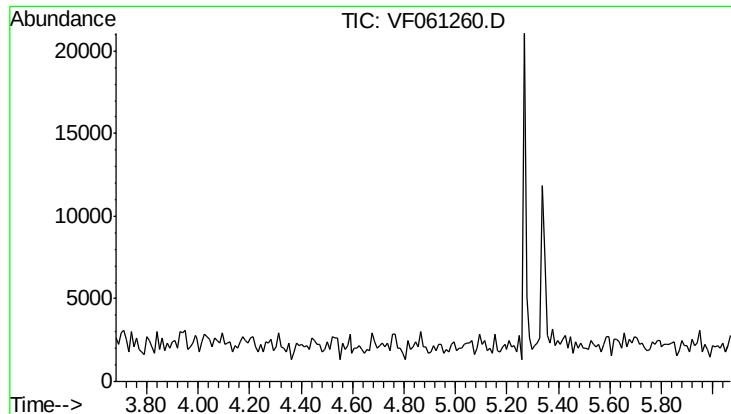
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Tot Ion: 168

Sig Exp Ratio

168 100

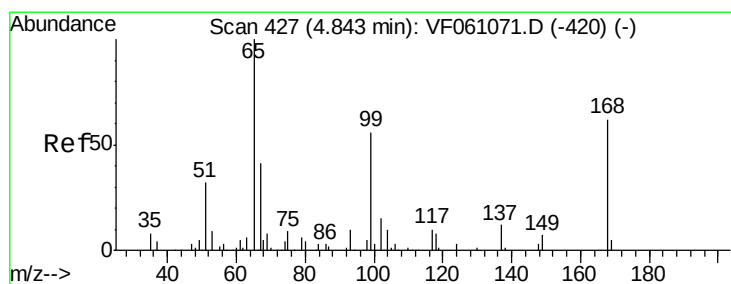
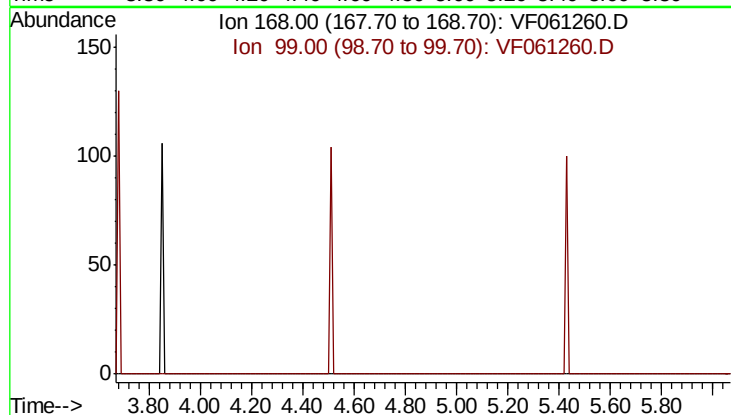
99 68.0

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D13



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061260.D

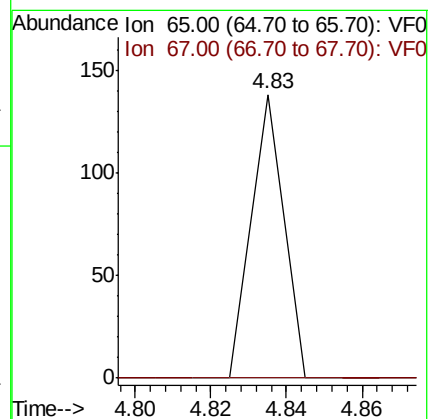
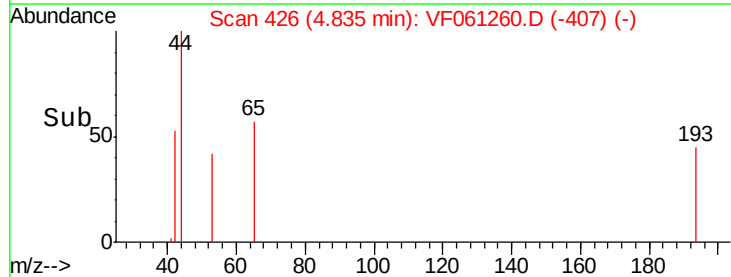
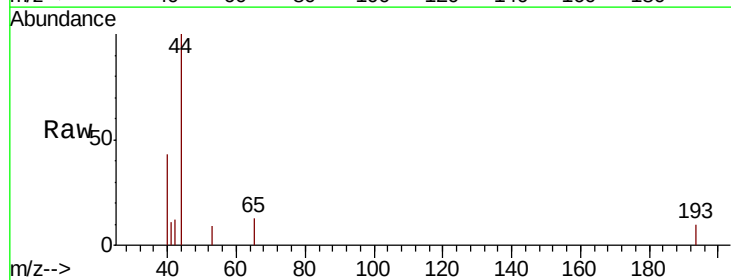
Acq: 2 Jan 2019 18:01

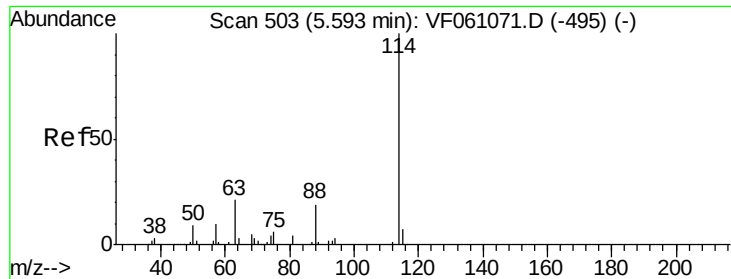
Tgt Ion: 65 Resp: 82

Ion Ratio Lower Upper

65 100

67 0.0 0.0 94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 523

Delta R.T. 0.20 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D13

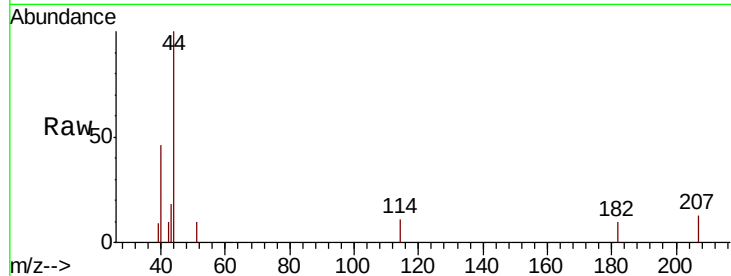
Tot Ion:114 Resp: 69

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

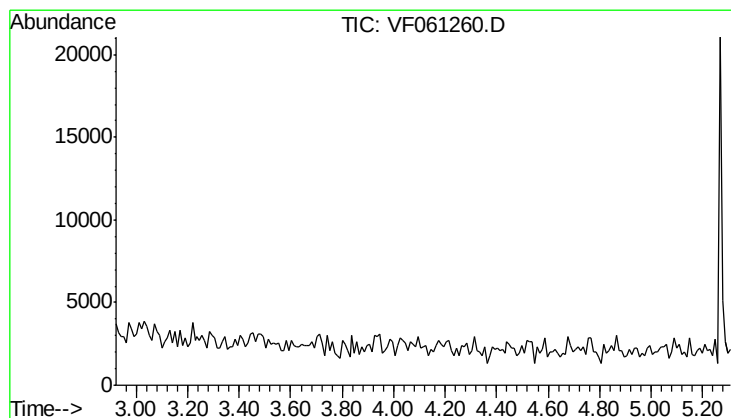
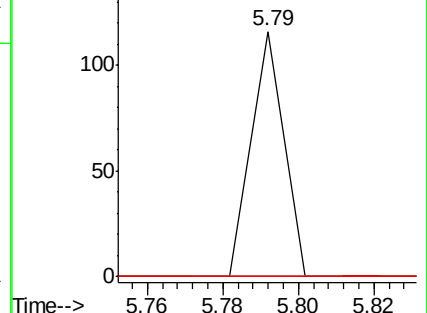
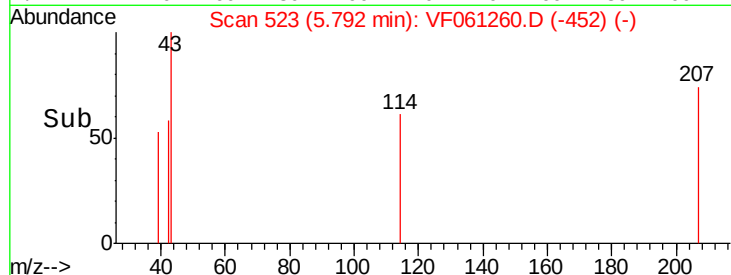
88 0.0 0.0 38.0



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: VF061260.D

Acq: 2 Jan 2019 18:01

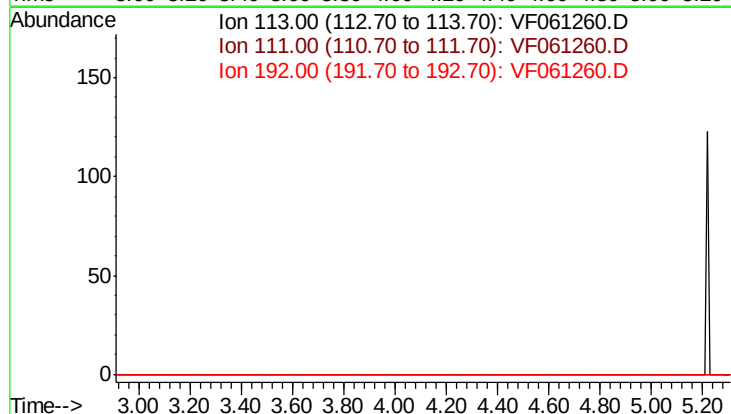
Tgt Ion: 113

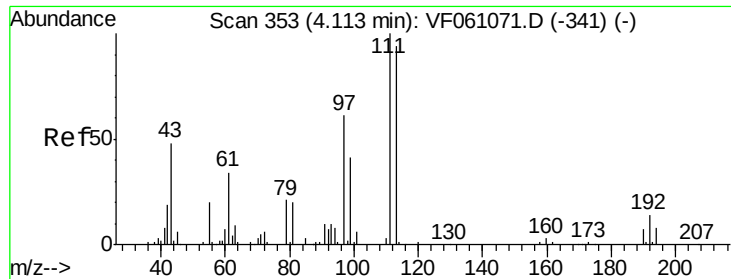
Sig Exp Ratio

113 100

111 106.5

192 16.0





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.23 min Scan# 365

Delta R.T. 0.12 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D13

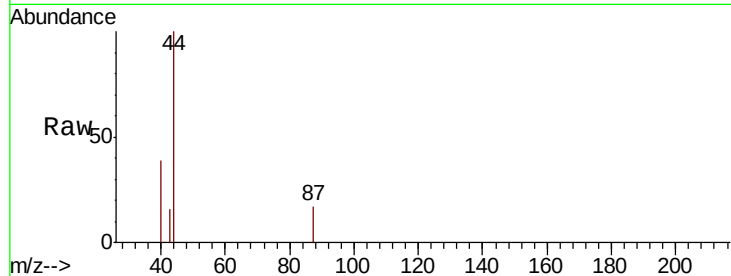
Tot Ion: 43 Resp: 483

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

250

200

150

100

50

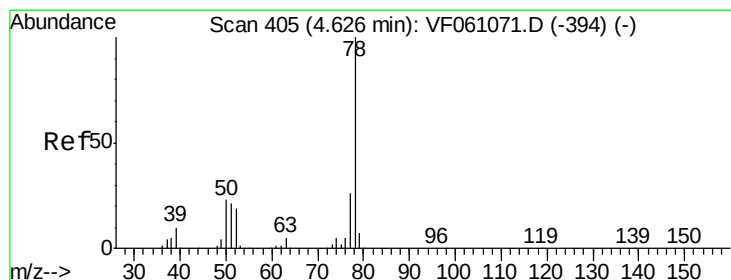
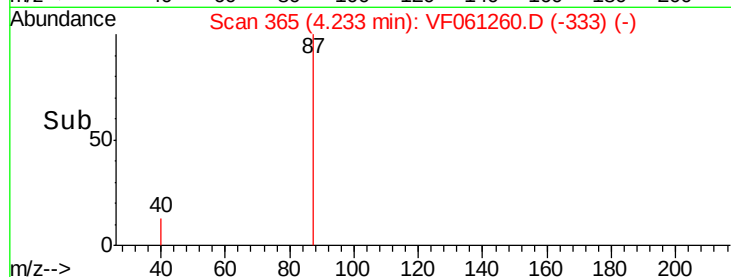
0

4.15

4.20

4.23

Time-->



#40

Benzene

Concen: 39.640 ug/l

RT: 4.93 min Scan# 436

Delta R.T. 0.31 min

Lab File: VF061260.D

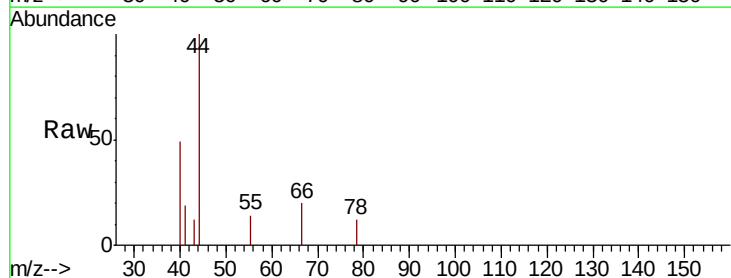
Acq: 2 Jan 2019 18:01

Tgt Ion: 78 Resp: 71

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

100

50

0

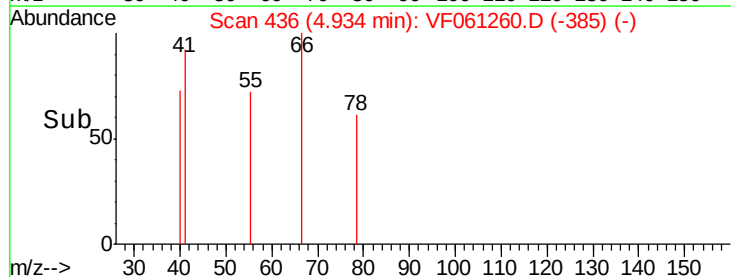
4.90

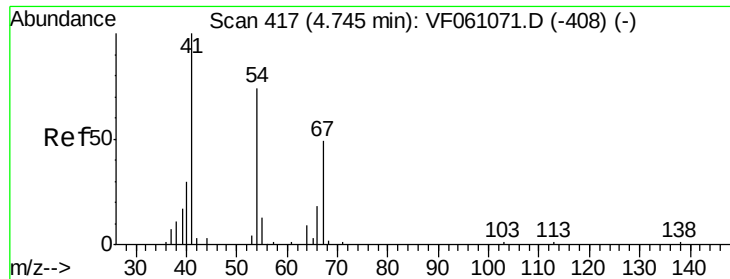
4.92

4.93

4.96

Time-->

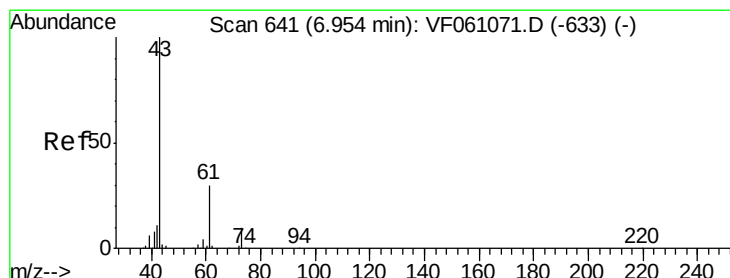
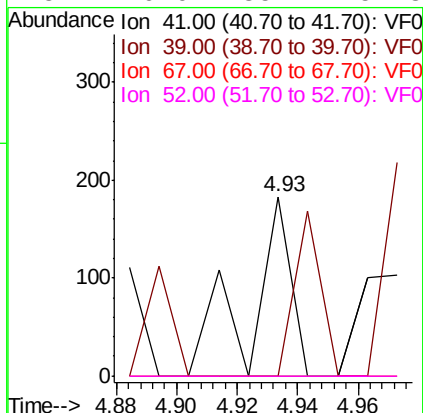
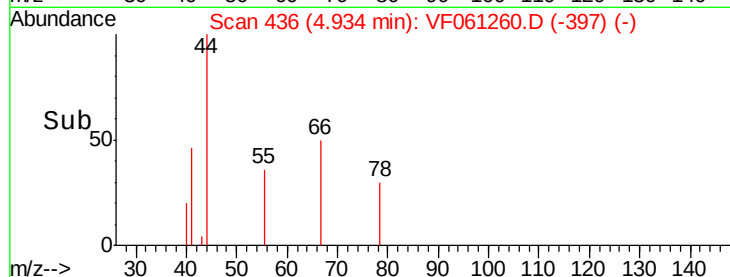
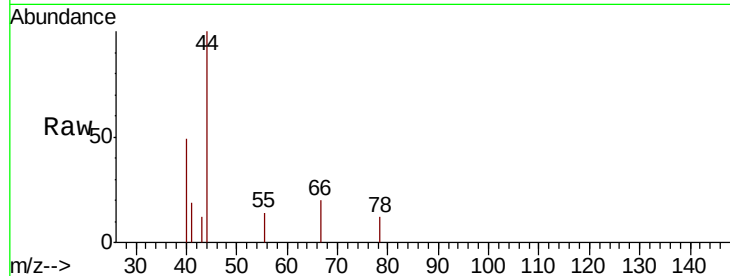




#41
Methacrylonitrile
Concen: 977.855 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.19 min
Lab File: VF061260.D
Acq: 2 Jan 2019 18:01

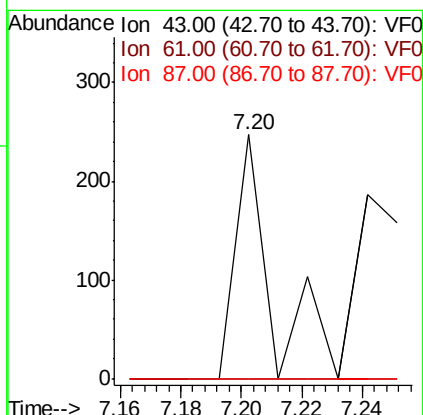
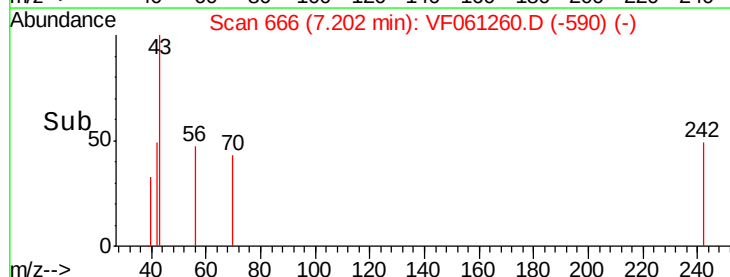
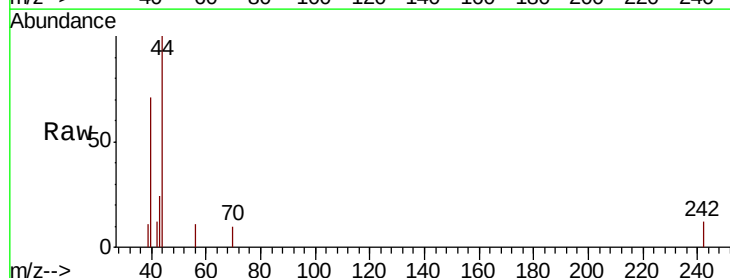
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-D13

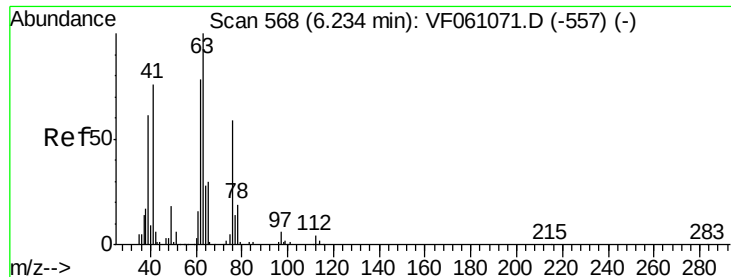
Tot Ion:	41	Resp:	172
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.7	68.5#
67	0.0	38.9	58.3#
52	0.0	35.2	52.8#



#43
Isopropyl Acetate
Concen: 514.727 ug/l
RT: 7.20 min Scan# 666
Delta R.T. 0.25 min
Lab File: VF061260.D
Acq: 2 Jan 2019 18:01

Tgt Ion:	43	Resp:	207
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: 155.961 ug/l

RT: 6.49 min Scan# 594

Delta R.T. 0.26 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

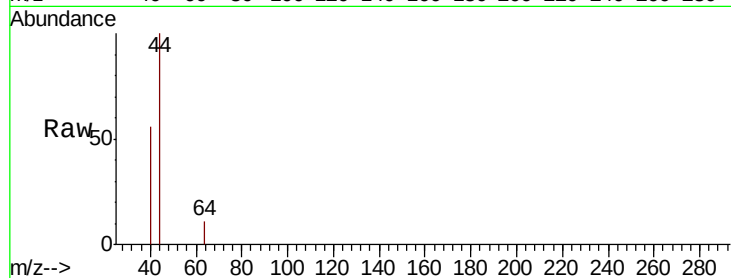
TEST-PIT-D13

Tot Ion: 63 Resp: 76

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.49

150

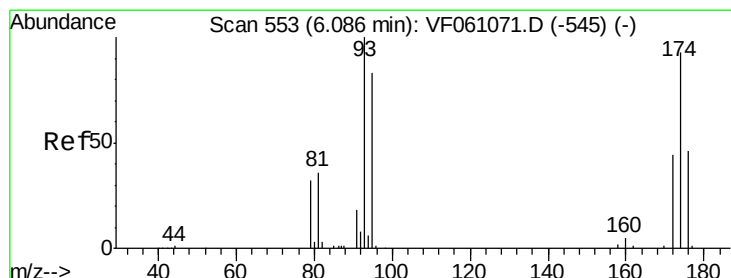
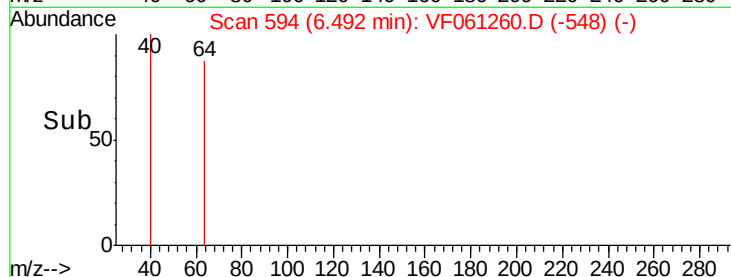
100

50

0

6.46 6.48 6.50 6.52

Time-->



#46

Dibromomethane

Concen: 379.679 ug/l

RT: 6.46 min Scan# 591

Delta R.T. 0.38 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

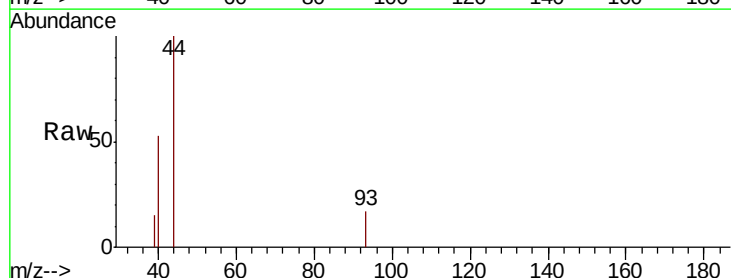
Tgt Ion: 93 Resp: 120

Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.1 111.1#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

250

200

150

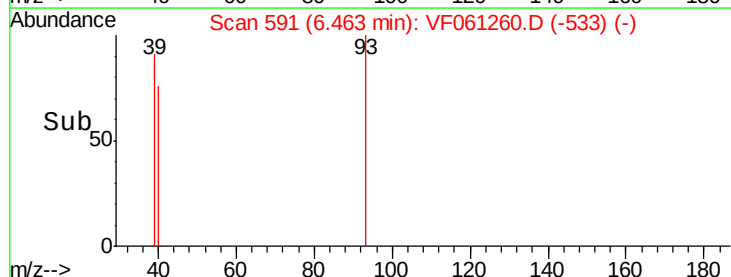
100

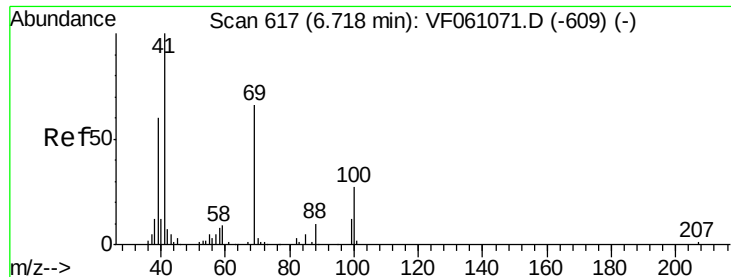
50

0

6.44 6.46 6.48

Time-->





#48

Methyl methacrylate

Concen: 320.573 ug/l

RT: 6.92 min Scan# 637

Delta R.T. 0.20 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D13

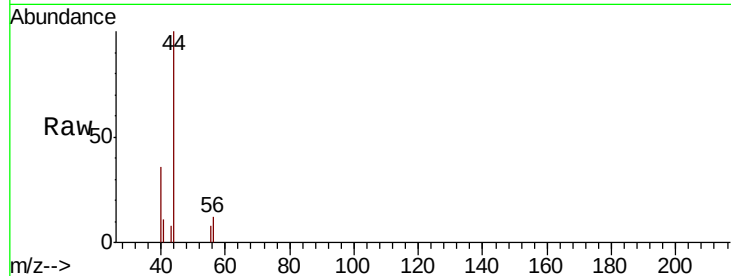
Tot Ion: 41 Resp: 90

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

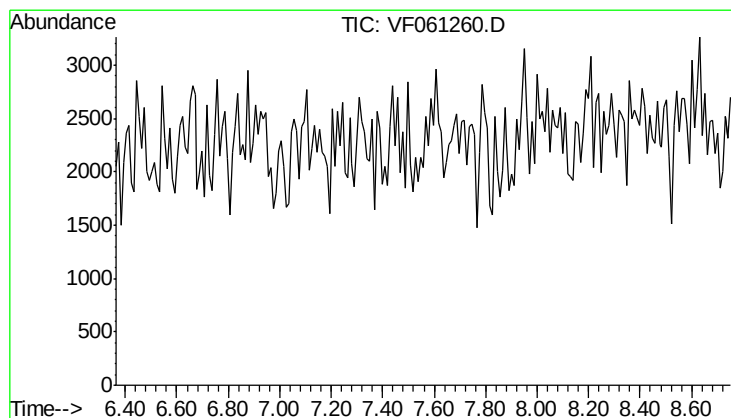
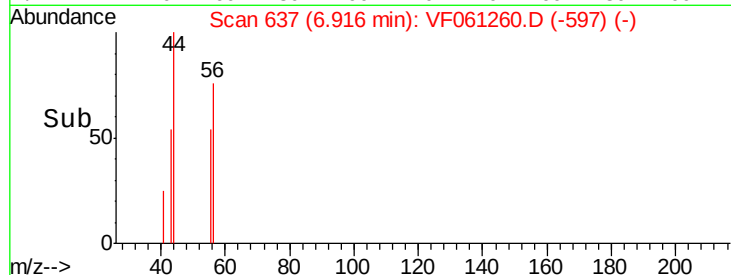
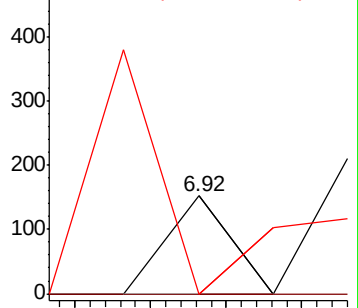
39 0.0 47.8 71.6#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#50

Toluene-d8

Concen: 0.000 ug/l

Expected RT: 7.56 min

Lab File: VF061260.D

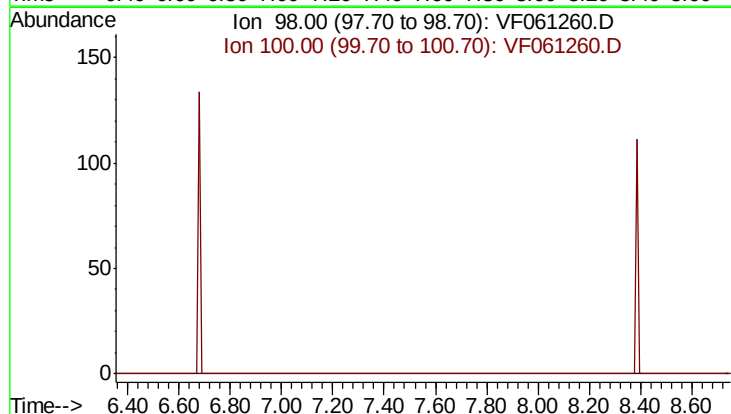
Acq: 2 Jan 2019 18:01

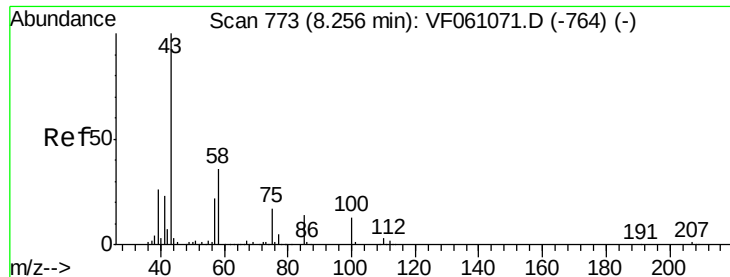
Tgt Ion: 98

Sig Exp Ratio

98 100

100 69.1





#51

4-Methyl-2-Pentanone

Concen: 1852.745 ug/l

RT: 8.56 min Scan# 804

Delta R.T. 0.31 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

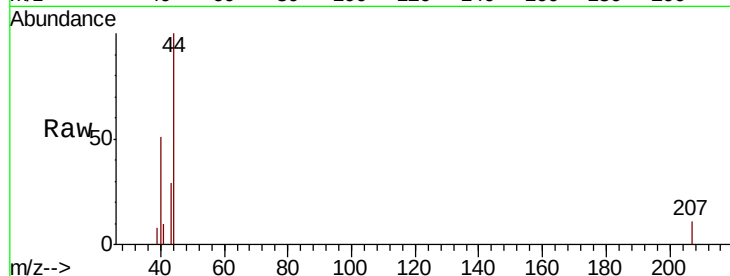
TEST-PIT-D13

Tot Ion: 43 Resp: 511

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

8.56

400

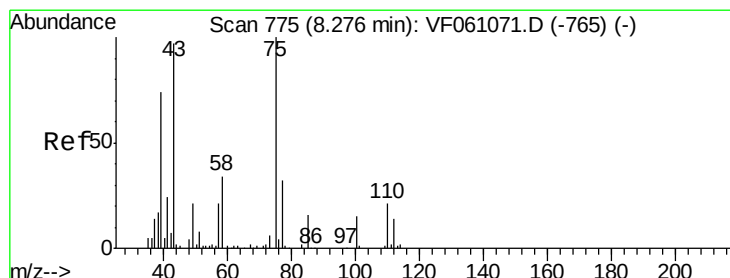
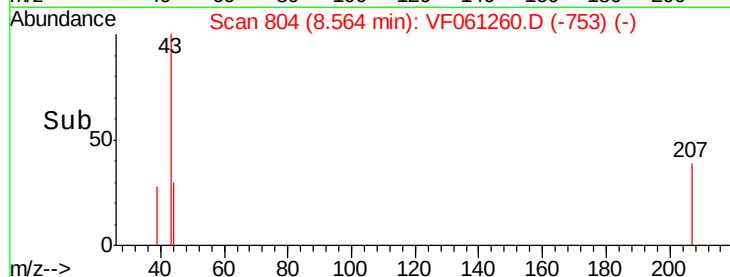
300

200

100

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 93.589 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.26 min

Lab File: VF061260.D

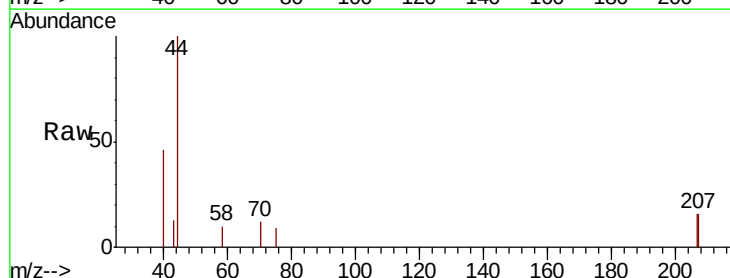
Acq: 2 Jan 2019 18:01

Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120

100

80

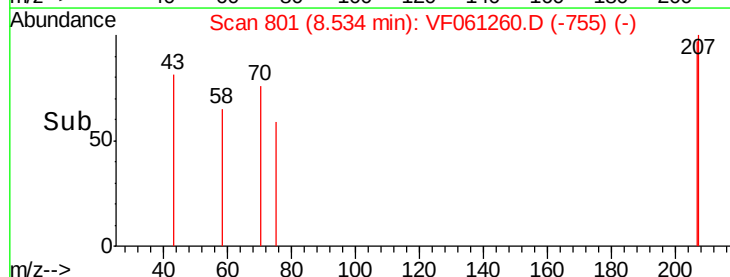
60

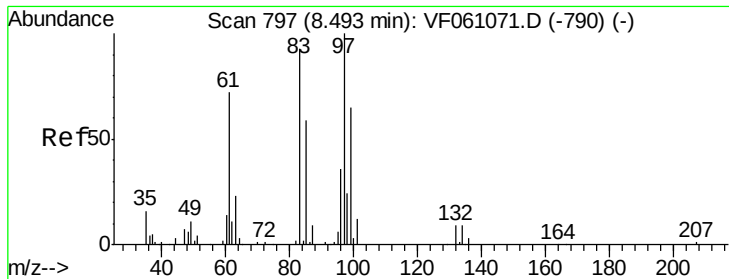
40

20

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 194.131 ug/l

RT: 8.79 min Scan# 827

Delta R.T. 0.30 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D13

Tot Ion: 97 Resp: 69

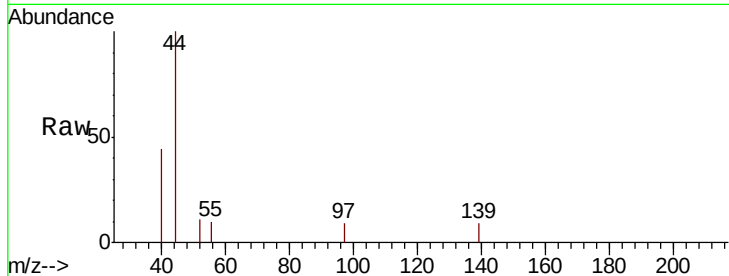
Ion Ratio Lower Upper

97 100

83 0.0 75.0 112.4#

85 0.0 47.5 71.3#

99 0.0 51.9 77.9#

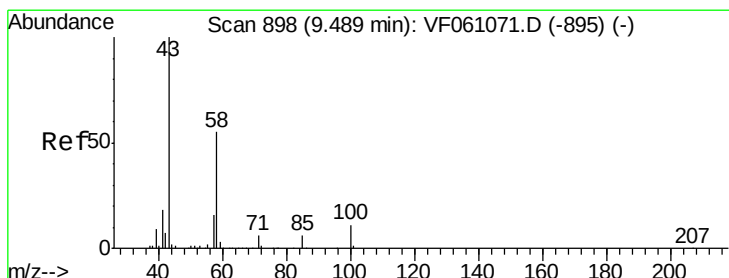
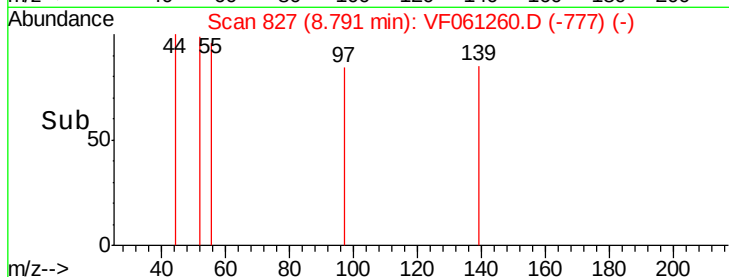
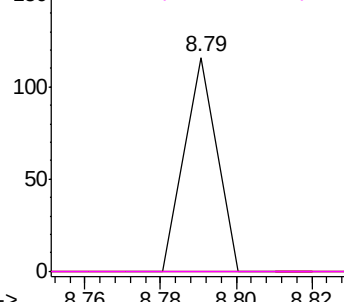


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#59

2-Hexanone

Concen: 1995.416 ug/l

RT: 9.75 min Scan# 924

Delta R.T. 0.26 min

Lab File: VF061260.D

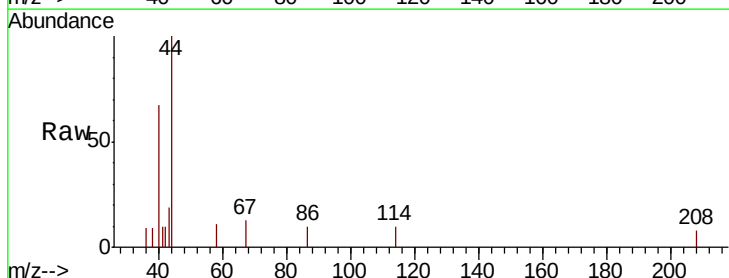
Acq: 2 Jan 2019 18:01

Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

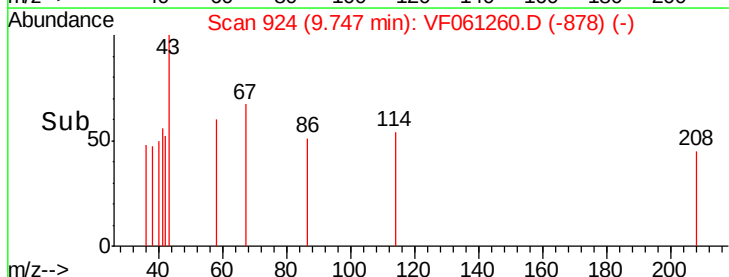
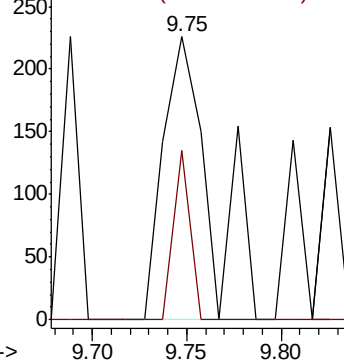
43 100

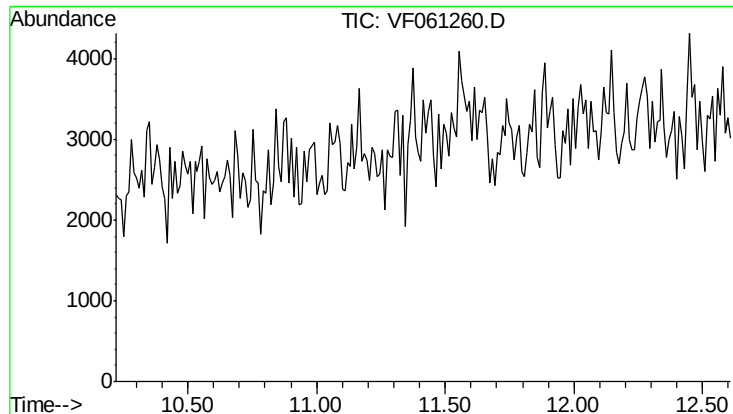
58 59.7 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.41 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

Tot Ion: 95

Sig Exp Ratio

95 100

174 71.9

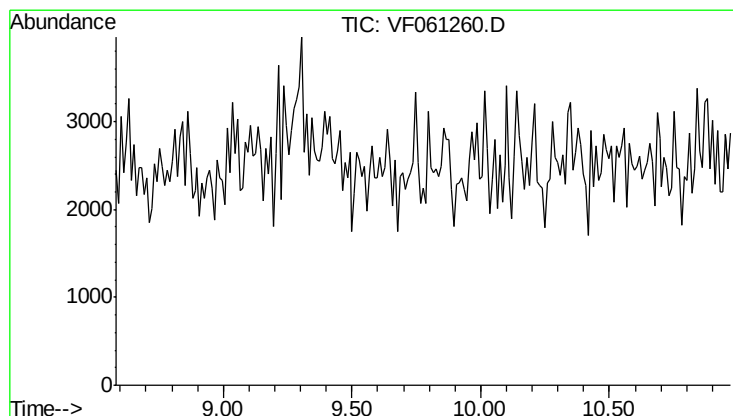
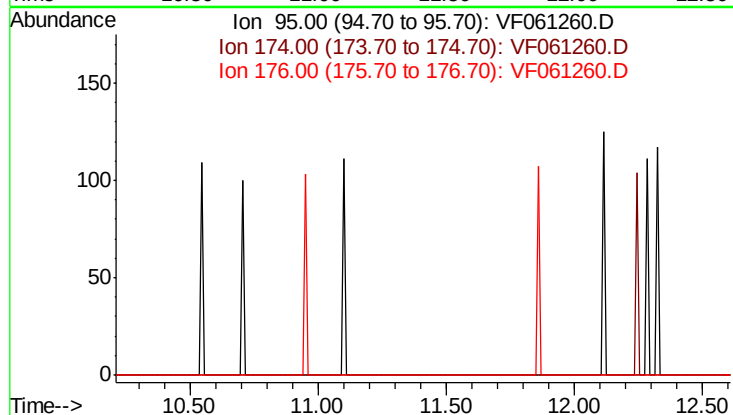
176 73.8

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D13



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.78 min

Lab File: VF061260.D

Acq: 2 Jan 2019 18:01

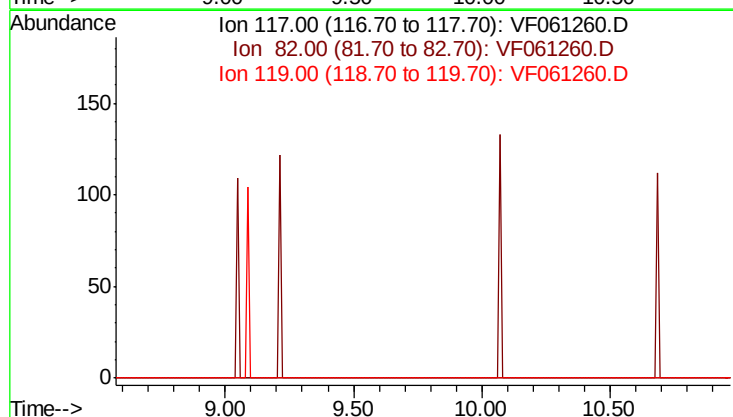
Tgt Ion: 117

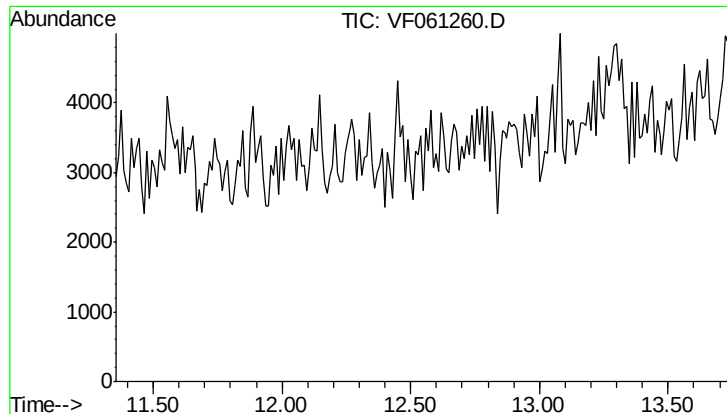
Sig Exp Ratio

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: VF061260.D
Acq: 2 Jan 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-D13

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

