

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060895.D
 Acq On : 3 Dec 2018 16:59
 Operator : VA/AP
 Sample : J5764-25RE
 Misc : 5.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-CRE

Quant Time: Dec 04 03:11:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 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	-4.91
34) 1,4-Difluorobenzene	5.78	114	62	50.00	ug/l	0.14
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.81
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.57

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.95	65	76	0.00	ug/l	0.07
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	11.75	95	75	113.90	ug/l	0.31
Spiked Amount	50.000		Recovery	=	227.80%	

Target Compounds

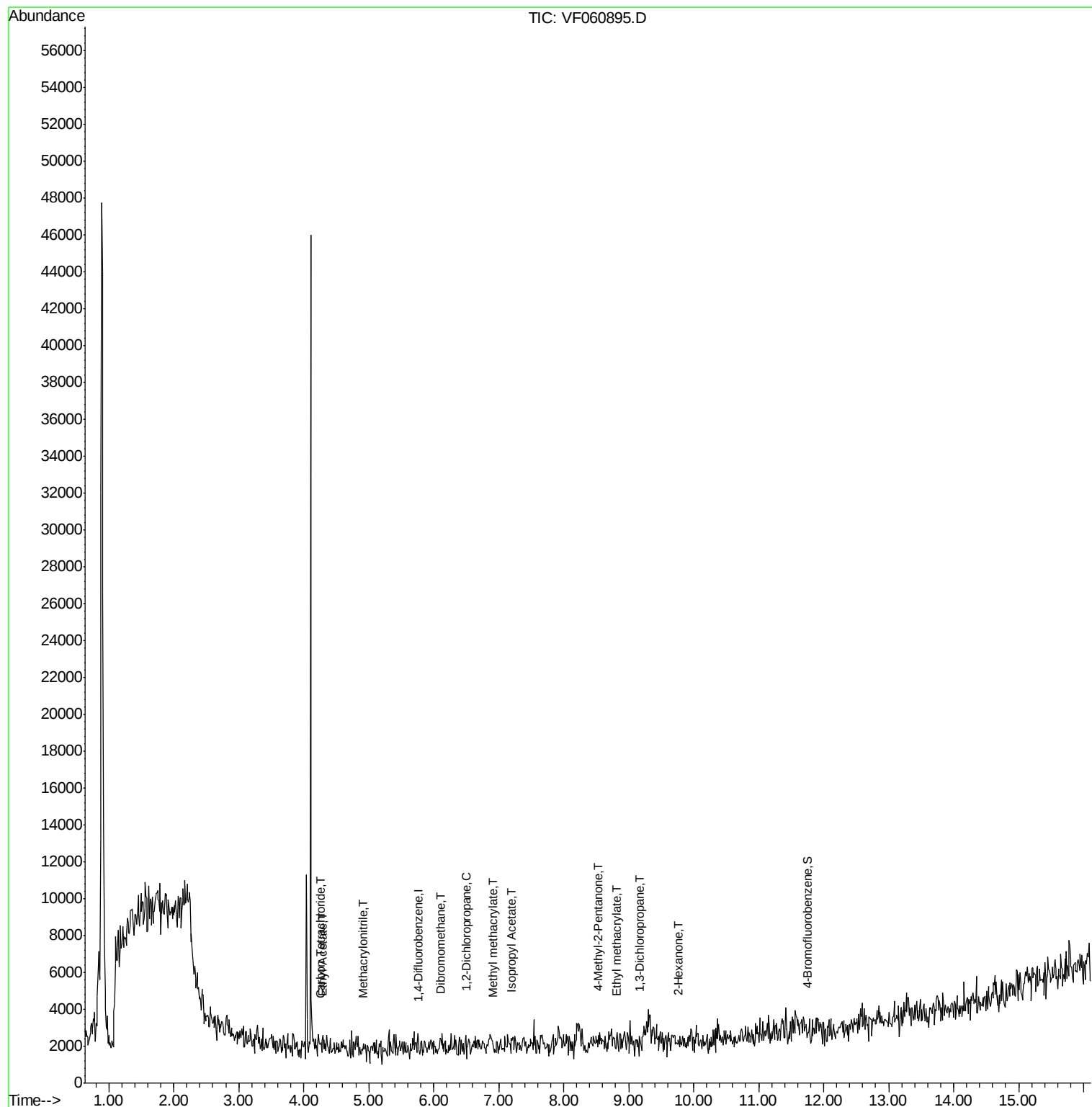
						Qvalue
37) Ethyl Acetate	4.28	43	591	2114.817	ug/l #	14
38) Carbon Tetrachloride	4.26	117	73	120.185	ug/l #	13
41) Methacrylonitrile	4.92	41	135	1007.308	ug/l #	23
43) Isopropyl Acetate	7.20	43	145	441.852	ug/l #	49
45) 1,2-Dichloropropane	6.49	63	61	154.600	ug/l #	46
46) Dibromomethane	6.10	93	70	261.527	ug/l #	6
48) Methyl methacrylate	6.92	41	149	589.033	ug/l #	18
51) 4-Methyl-2-Pentanone	8.53	43	276	1070.999	ug/l #	38
56) Ethyl methacrylate	8.80	69	62	179.489	ug/l #	17
57) 1,3-Dichloropropane	9.18	76	59	108.452	ug/l #	41
59) 2-Hexanone	9.76	43	446	2466.886	ug/l #	27

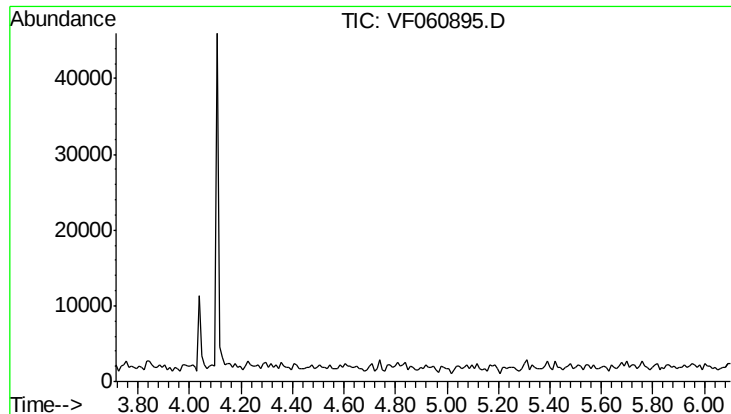
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.91 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Tot Ion: 168

Sig Exp Ratio

168 100

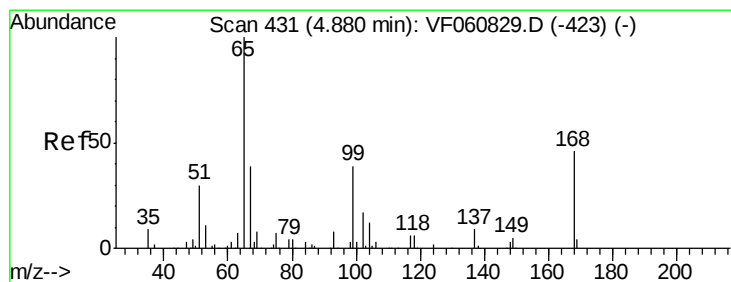
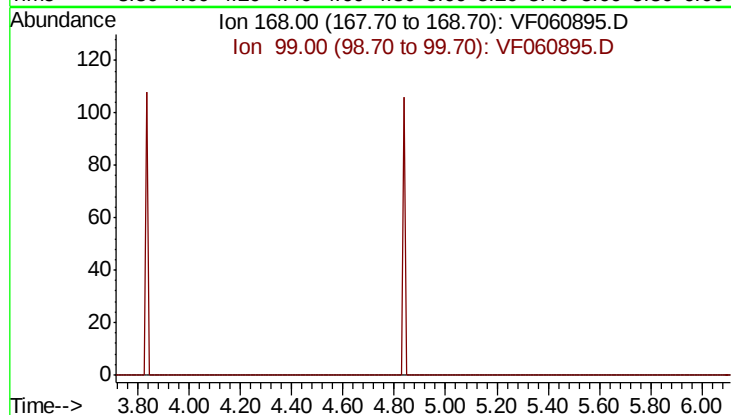
99 65.8

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-CRE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.07 min

Lab File: VF060895.D

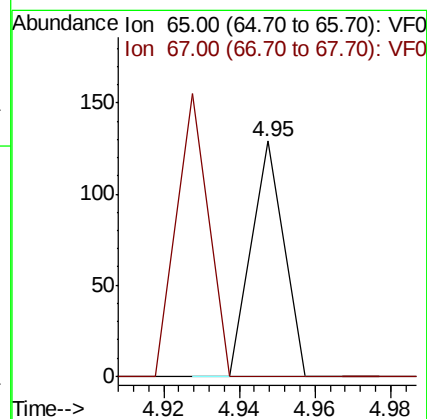
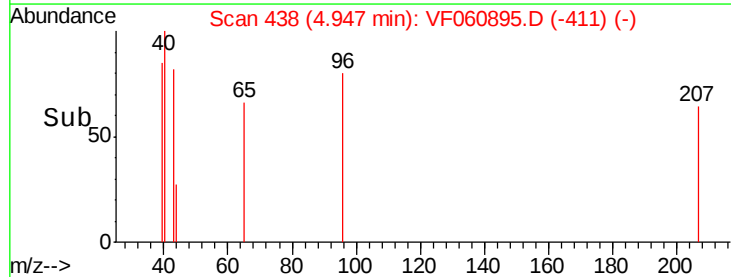
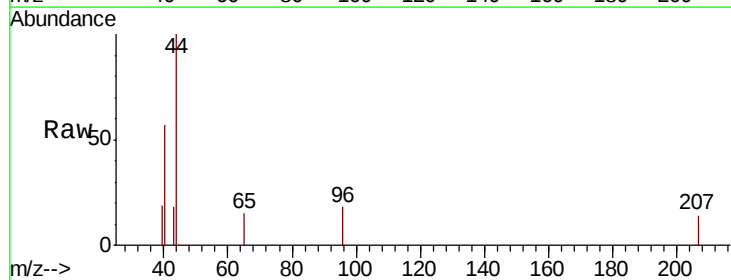
Acq: 3 Dec 2018 16:59

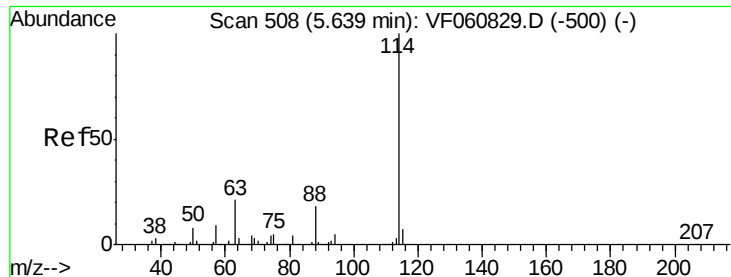
Tgt Ion: 65 Resp: 76

Ion Ratio Lower Upper

65 100

67 0.0 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 522

Delta R.T. 0.14 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-CRE

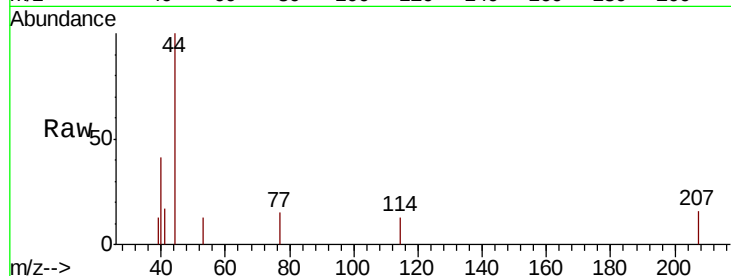
Tot Ion:114 Resp: 62

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

88 0.0 0.0 36.6

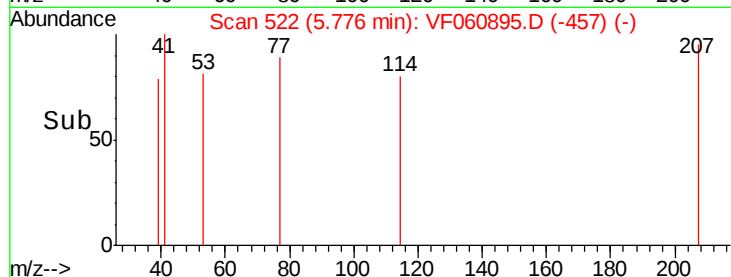


Abundance Ion 114.00 (113.70 to 114.70): V

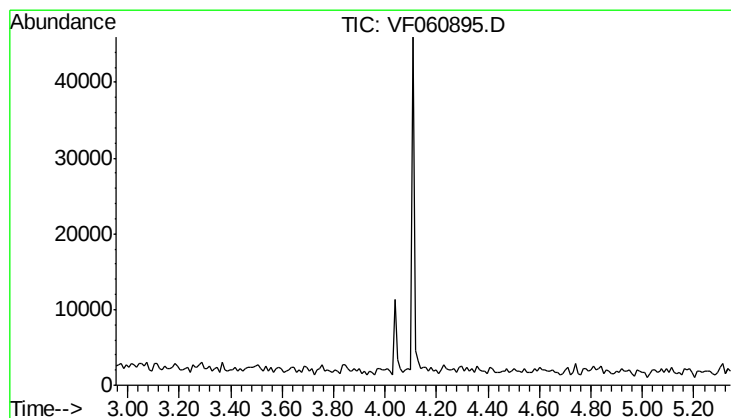
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.78



Time--> 5.74 5.76 5.78 5.80



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.15 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

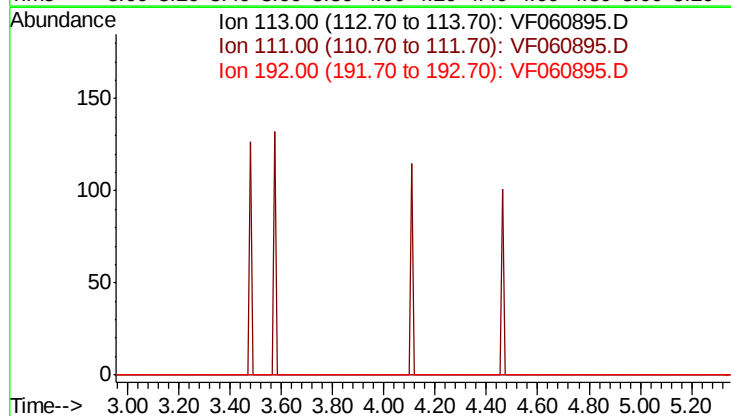
Tgt Ion: 113

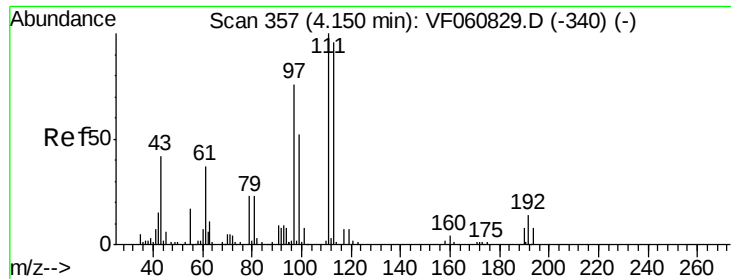
Sig Exp Ratio

113 100

111 103.8

192 15.4





#37

Ethyl Acetate

Concen: 2114.817 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.13 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-CRE

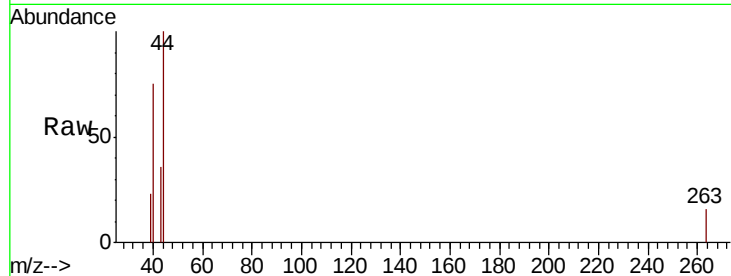
Tot Ion: 43 Resp: 591

Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

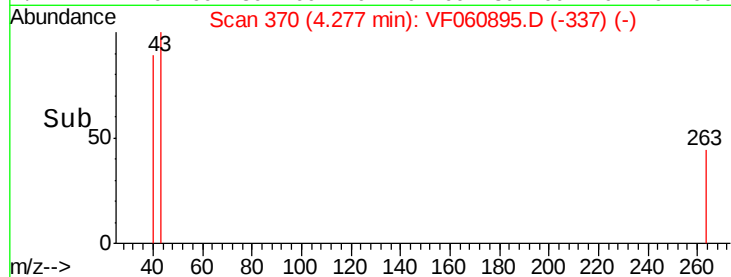
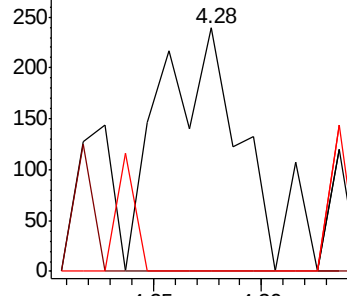
70 0.0 9.0 13.4#



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



#38

Carbon Tetrachloride

Concen: 120.185 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.24 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

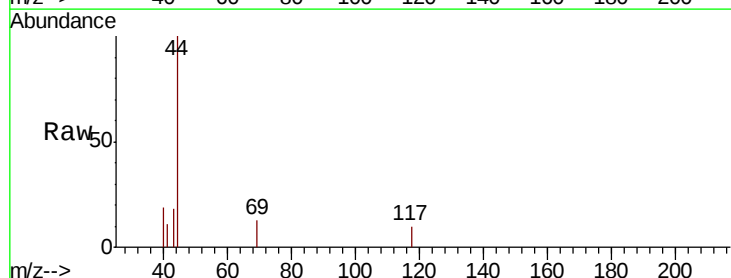
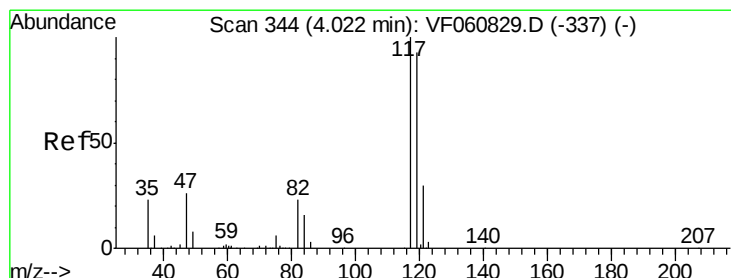
Tgt Ion: 117 Resp: 73

Ion Ratio Lower Upper

117 100

119 0.0 74.4 111.6#

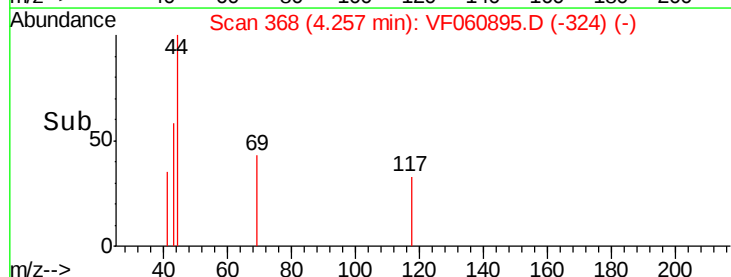
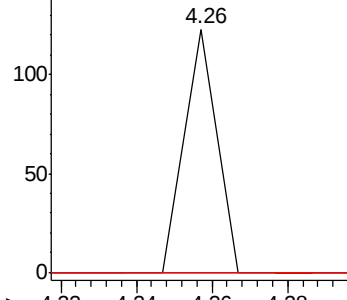
121 0.0 23.5 35.3#

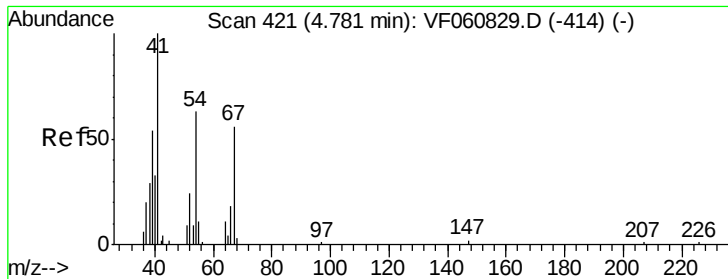


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#41

Methacrylonitrile

Concen: 1007.308 ug/l

RT: 4.92 min Scan# 435

Delta R.T. 0.14 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-CRE

Tot Ion: 41 Resp: 135

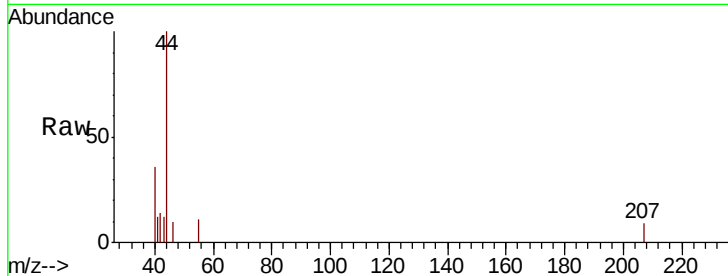
Ion Ratio Lower Upper

41 100

39 0.0 53.0 79.6#

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#



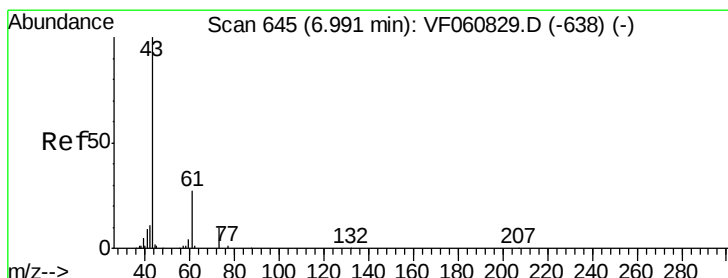
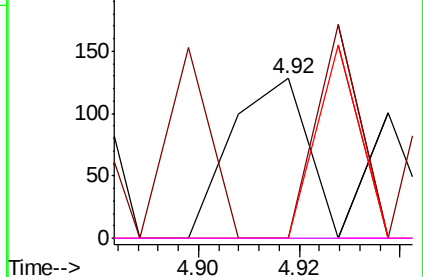
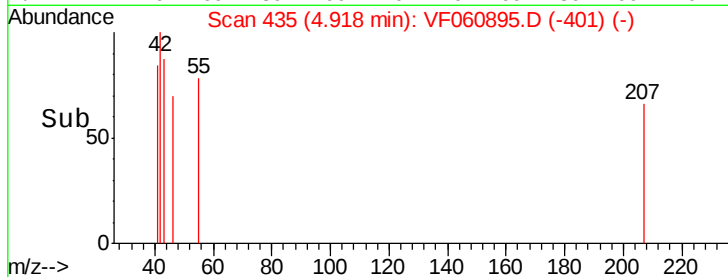
Abundance Ion 41.00 (40.70 to 41.70): VF0

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

Time-->



#43

Isopropyl Acetate

Concen: 441.852 ug/l

RT: 7.20 min Scan# 666

Delta R.T. 0.21 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

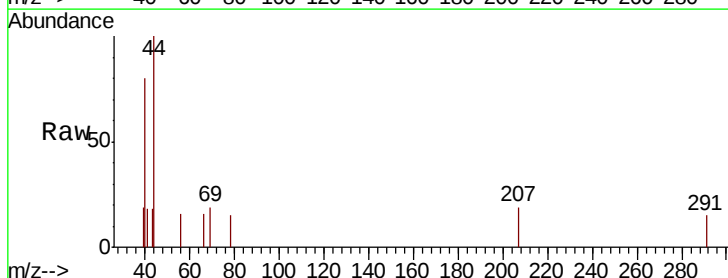
Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#

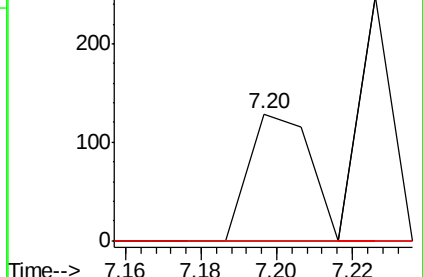
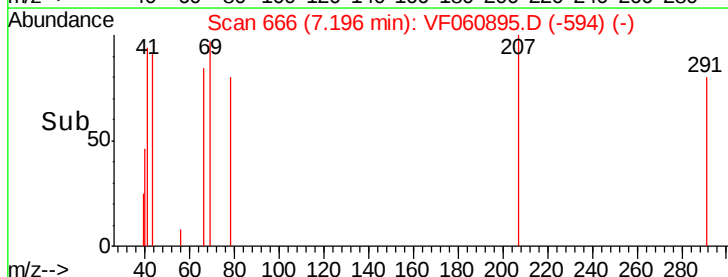


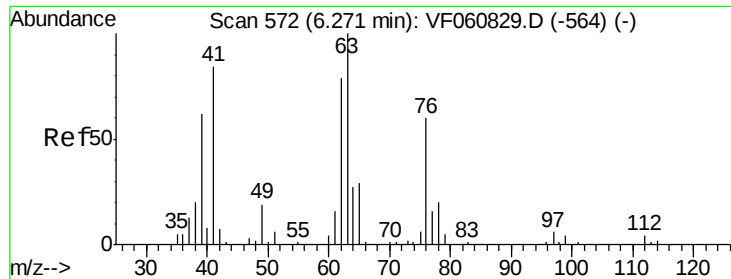
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Time-->





#45

1,2-Dichloropropane

Concen: 154.600 ug/l

RT: 6.49 min Scan# 594

Delta R.T. 0.22 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

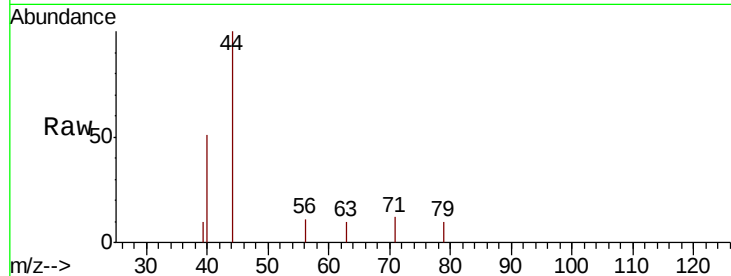
JC-02-113018-CRE

Tot Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

65 0.0 23.2 34.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.49

120

100

80

60

40

20

0

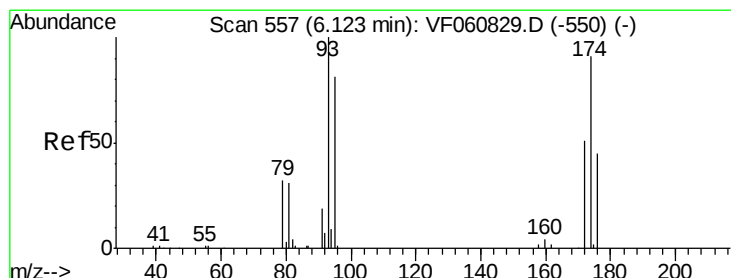
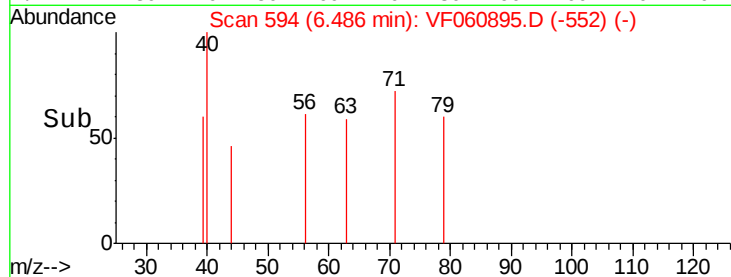
Time-->

6.46

6.48

6.50

6.52



#46

Dibromomethane

Concen: 261.527 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

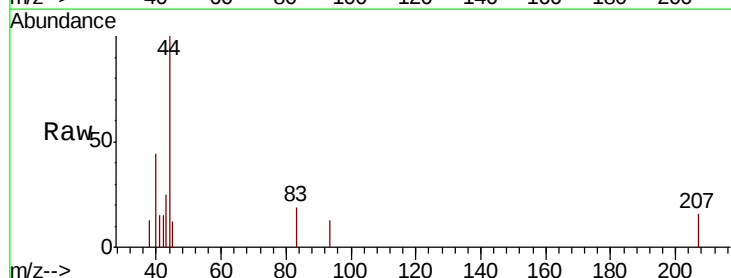
Tgt Ion: 93 Resp: 70

Ion Ratio Lower Upper

93 100

95 0.0 64.7 97.1#

174 0.0 73.0 109.6#



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

150

100

50

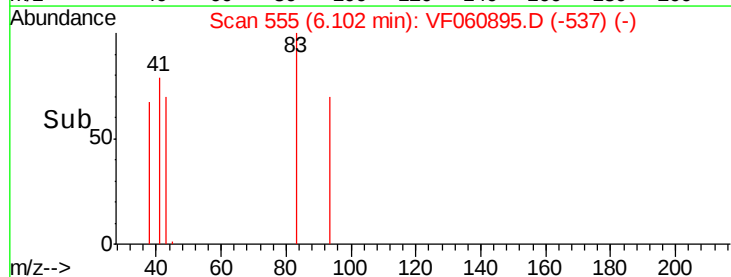
0

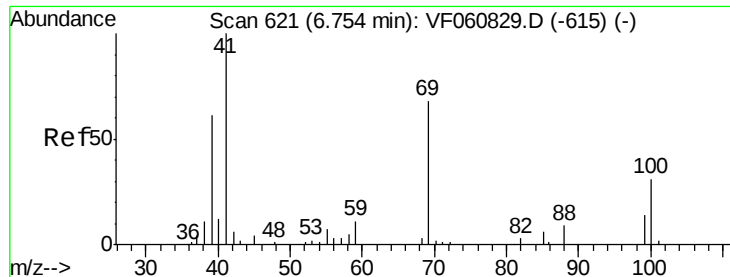
Time-->

6.08

6.10

6.12





#48

Methyl methacrylate

Concen: 589.033 ug/l

RT: 6.92 min Scan# 638

Delta R.T. 0.17 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-CRE

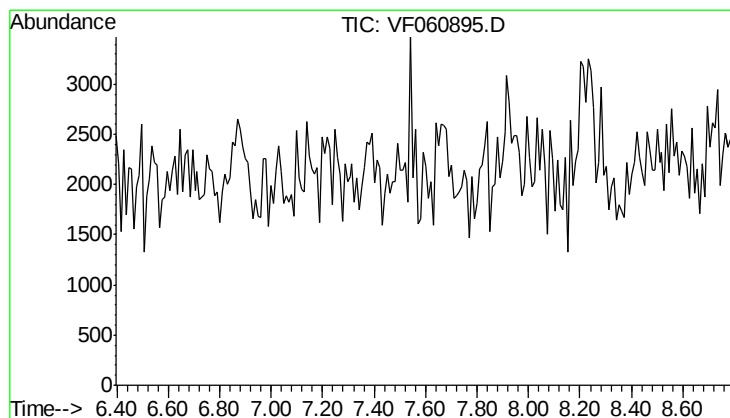
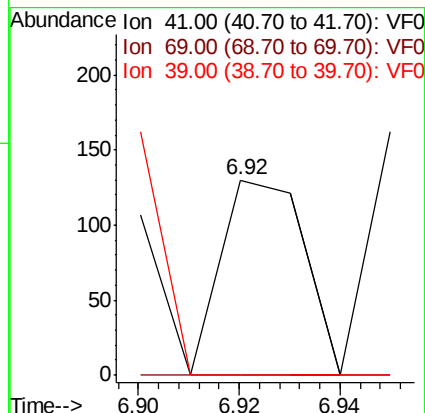
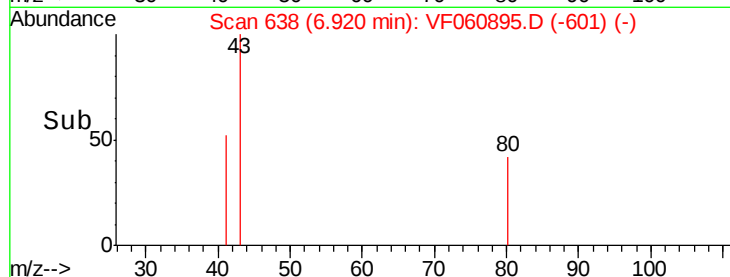
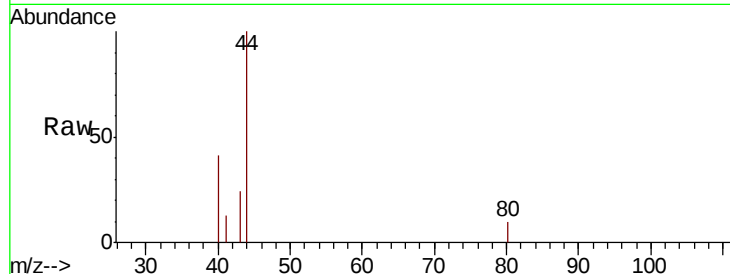
Tot Ion: 41 Resp: 149

Ion Ratio Lower Upper

41 100

69 0.0 53.9 80.9#

39 0.0 49.0 73.6#



#50

Toluene-d8

Concen: 0.000 ug/l

Expected RT: 7.59 min

Lab File: VF060895.D

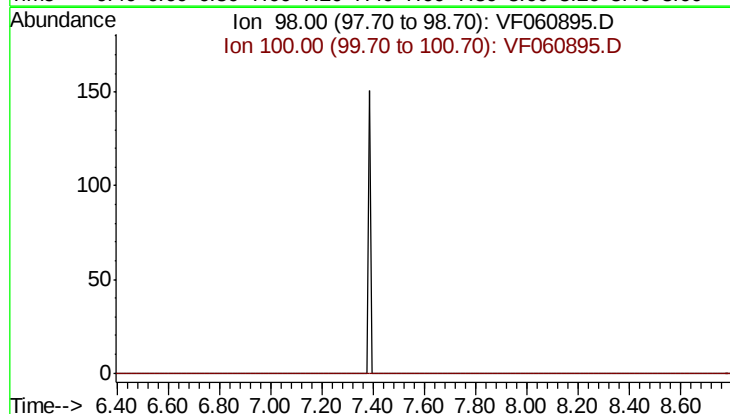
Acq: 3 Dec 2018 16:59

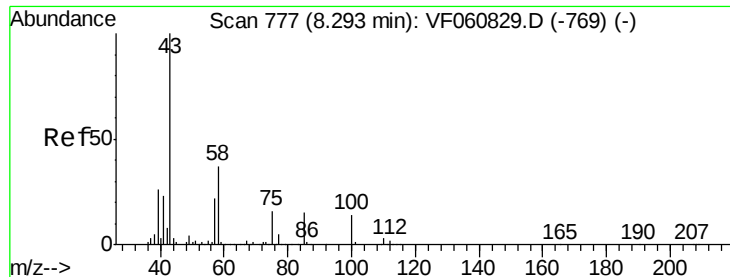
Tgt Ion: 98

Sig Exp Ratio

98 100

100 74.1





#51

4-Methyl-2-Pentanone

Concen: 1070.999 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.24 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

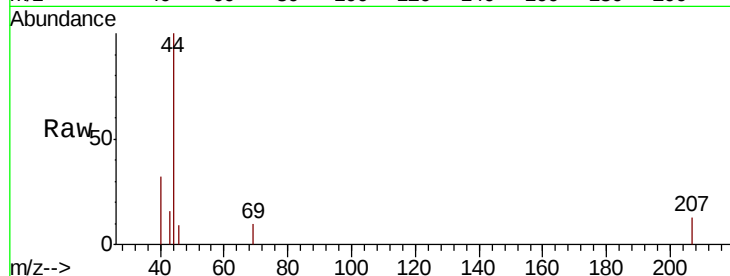
JC-02-113018-CRE

Tot Ion: 43 Resp: 276

Ion Ratio Lower Upper

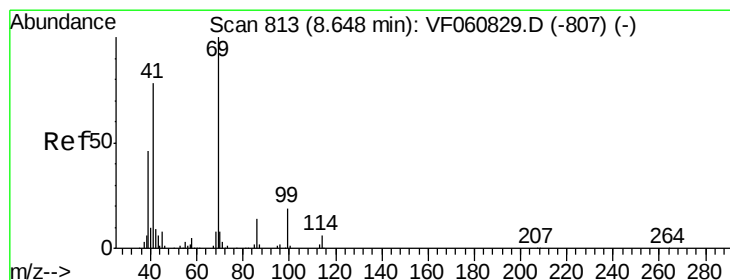
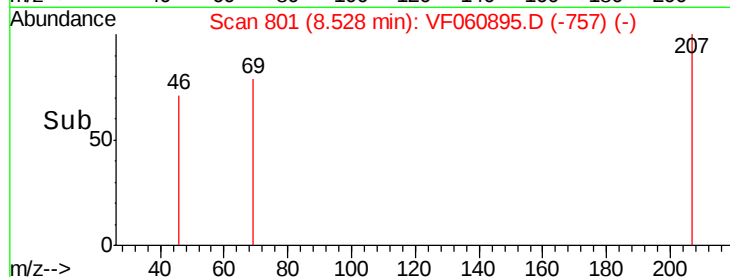
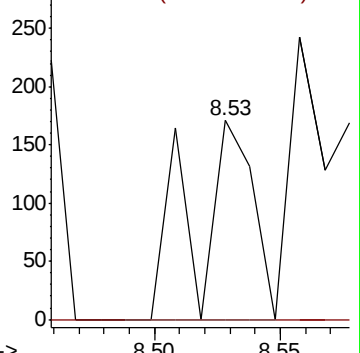
43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 179.489 ug/l

RT: 8.80 min Scan# 829

Delta R.T. 0.16 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

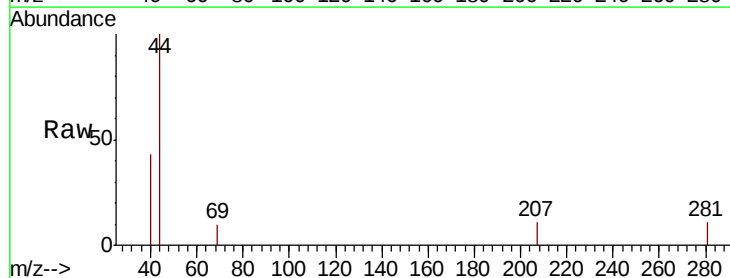
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 62.6 94.0#

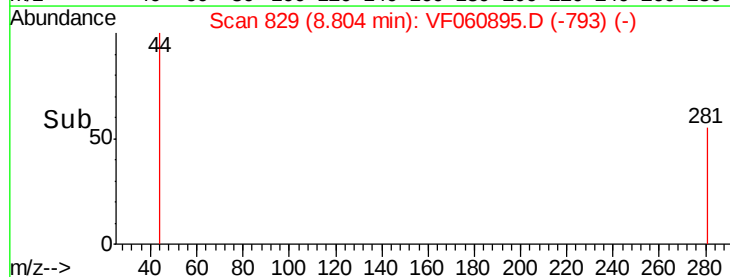
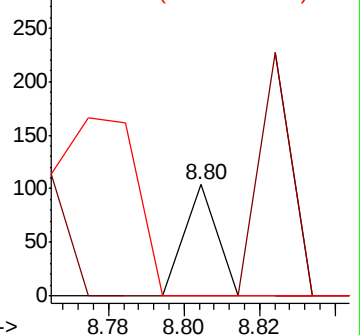
39 0.0 37.8 56.6#

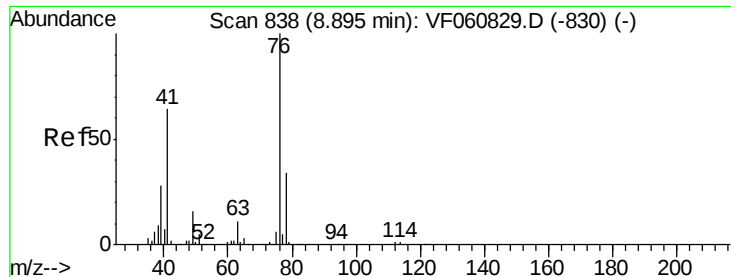


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 108.452 ug/l

RT: 9.18 min Scan# 867

Delta R.T. 0.28 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

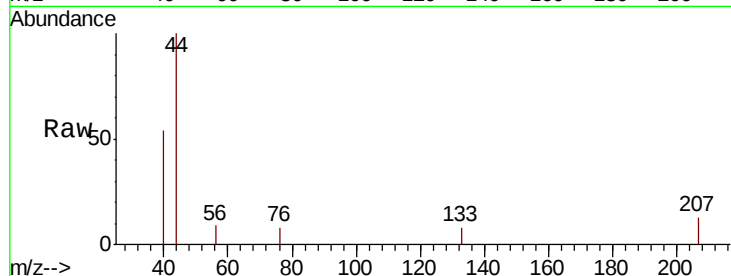
JC-02-113018-CRE

Tot Ion: 76 Resp: 59

Ion Ratio Lower Upper

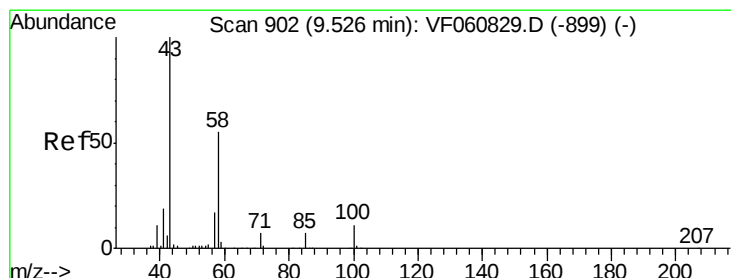
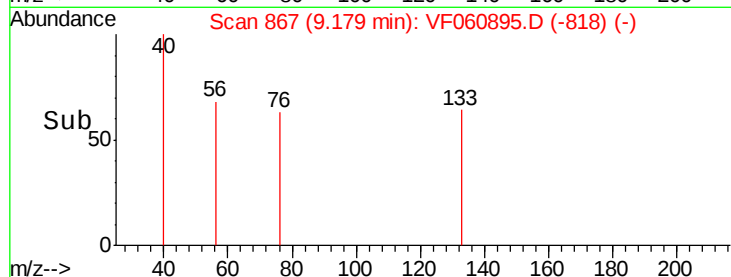
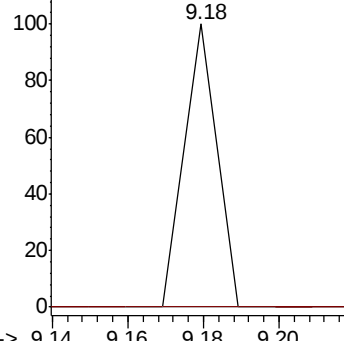
76 100

78 0.0 27.0 40.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#59

2-Hexanone

Concen: 2466.886 ug/l

RT: 9.76 min Scan# 926

Delta R.T. 0.24 min

Lab File: VF060895.D

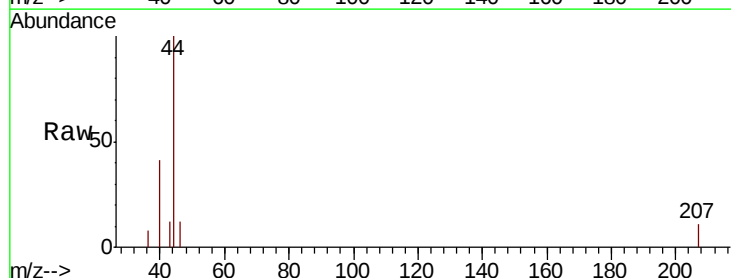
Acq: 3 Dec 2018 16:59

Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

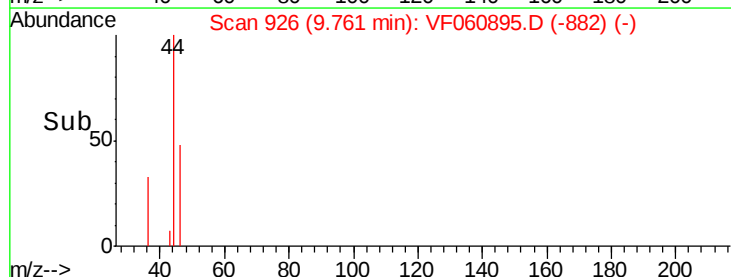
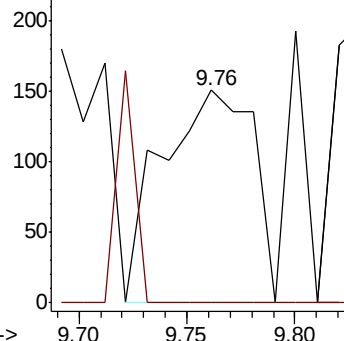
43 100

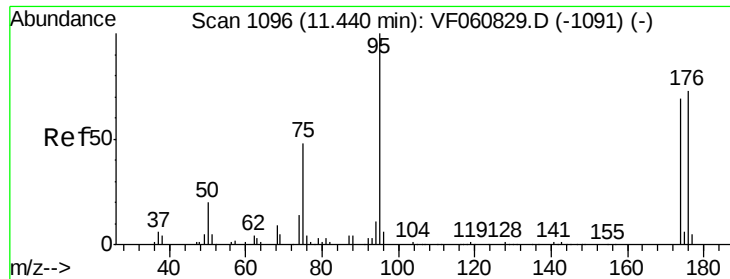
58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 113.896 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. 0.31 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-CRE

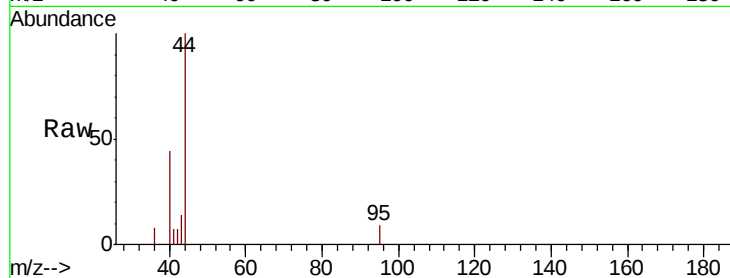
Tot Ion: 95 Resp: 75

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

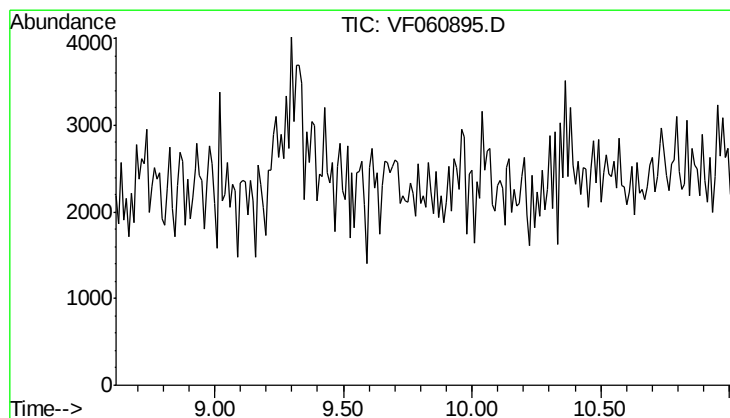
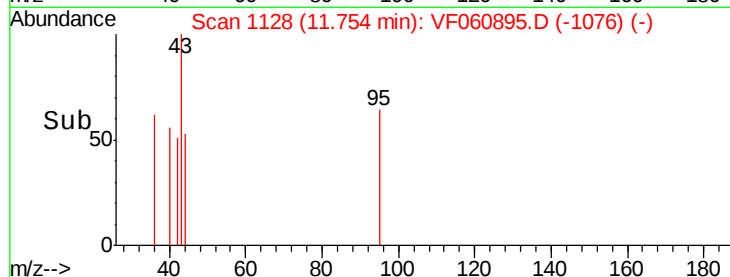
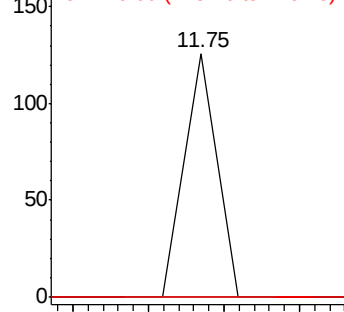
176 0.0 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.81 min

Lab File: VF060895.D

Acq: 3 Dec 2018 16:59

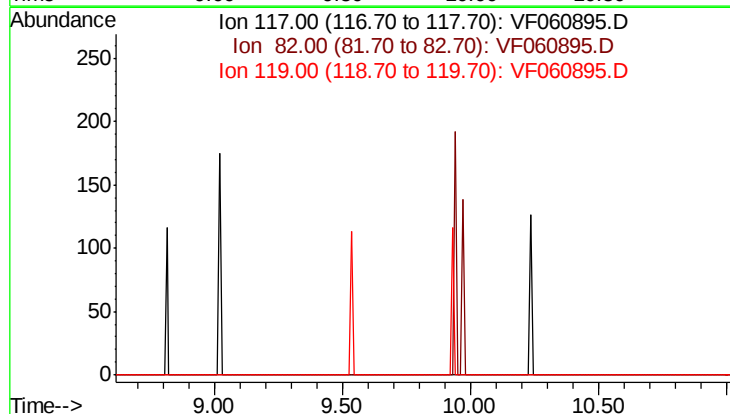
Tgt Ion: 117

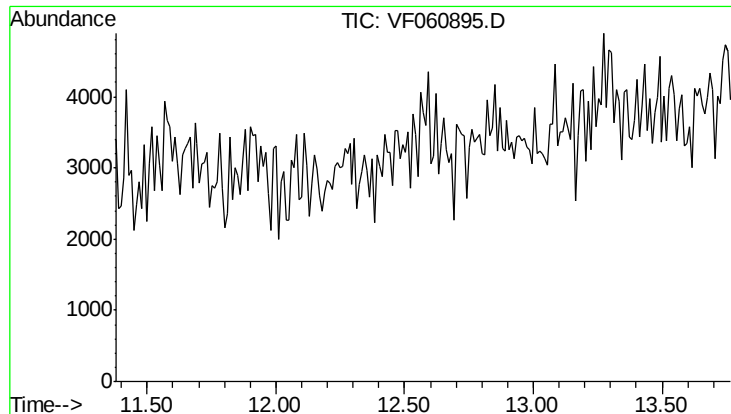
Sig Exp Ratio

117 100

82 58.2

119 33.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.57 min
 Lab File: VF060895.D
 Acq: 3 Dec 2018 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-CRE

Tot Ion: 152
 Sig Exp Ratio
 152 100
 115 60.3
 150 163.8

