

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061896.D
 Acq On : 11 Mar 2019 18:24
 Operator : VA/AP
 Sample : K1824-17
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-3

Quant Time: Mar 12 05:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

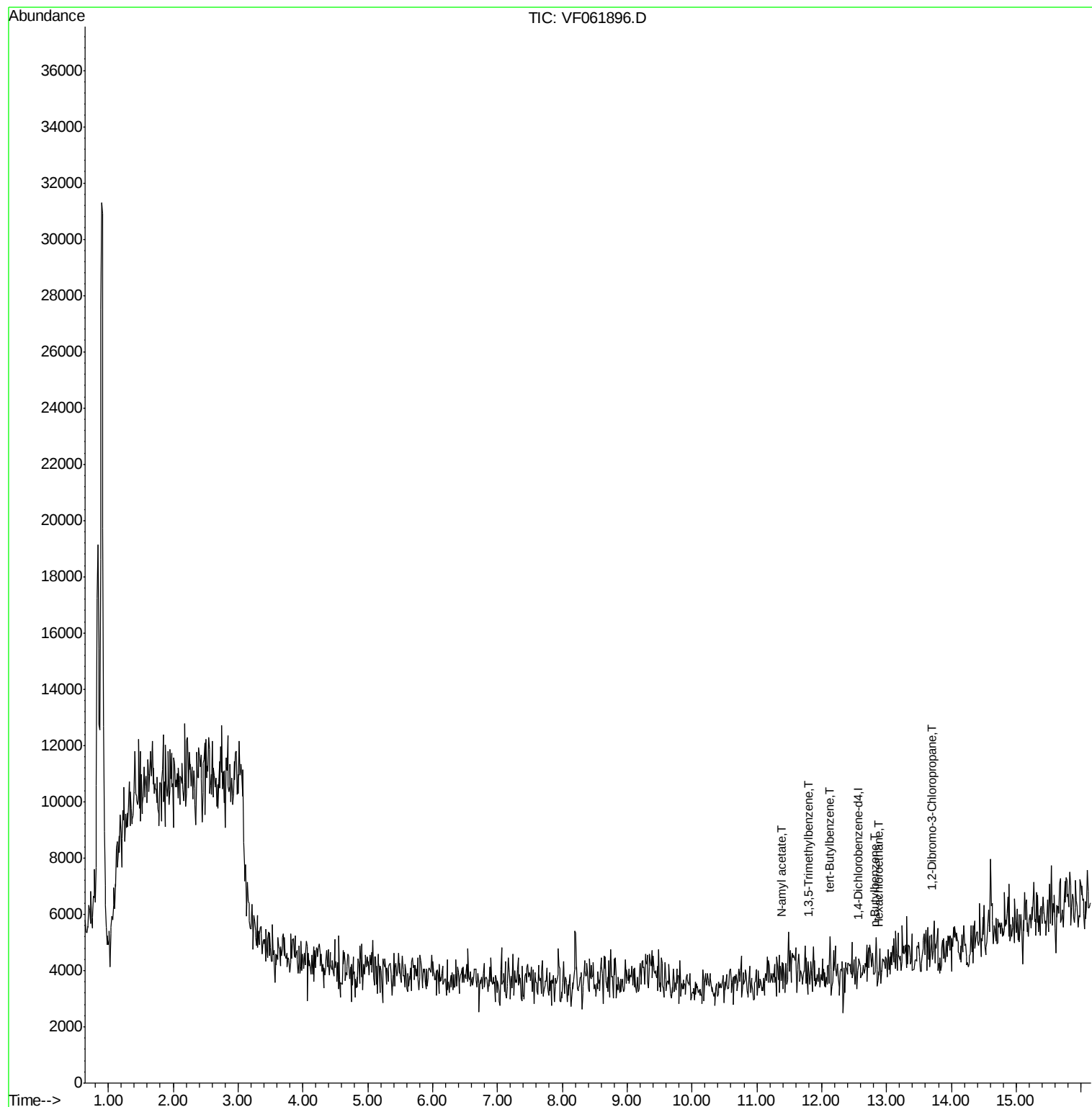
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.88
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.61
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	12.55	152	71	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
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	7.53	98	64	0.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.48	95	63	0.00	ug/l	0.06
Spiked Amount	50.000		Recovery	=	0.00%	
Target Compounds						
					Qvalue	
74) N-amyl acetate	11.39	43	70	62.207	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.78	105	63	16.053	ug/l #	24
83) tert-Butylbenzene	12.13	119	66	15.838	ug/l #	36
89) n-Butylbenzene	12.81	91	97	22.019	ug/l #	26
90) Hexachloroethane	12.88	117	110	99.143	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	85	560.896	ug/l #	1

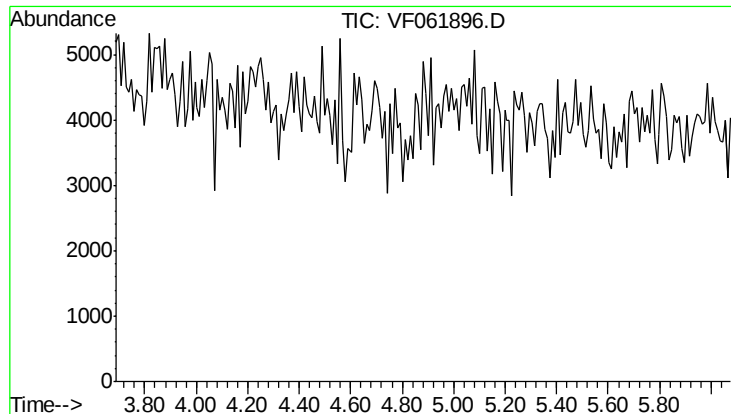
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.88 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

Tot Ion: 168

Sig Exp Ratio

168 100

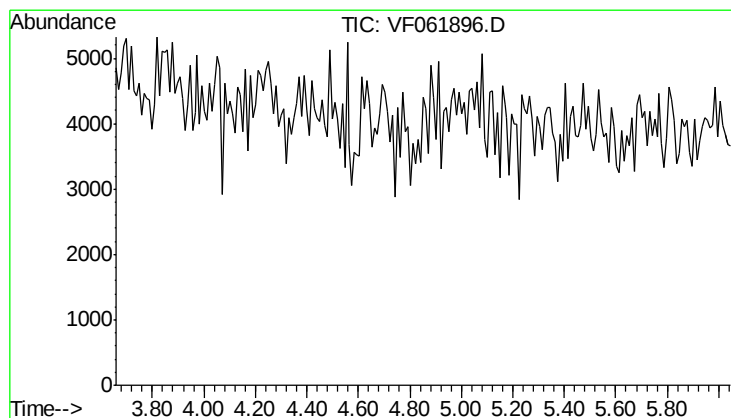
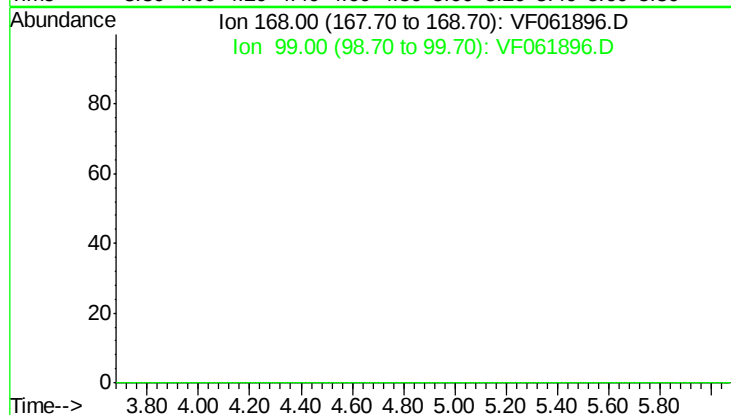
99 51.0

Instrument :

MSVOA_F

ClientSampleId :

P-3



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.85 min

Lab File: VF061896.D

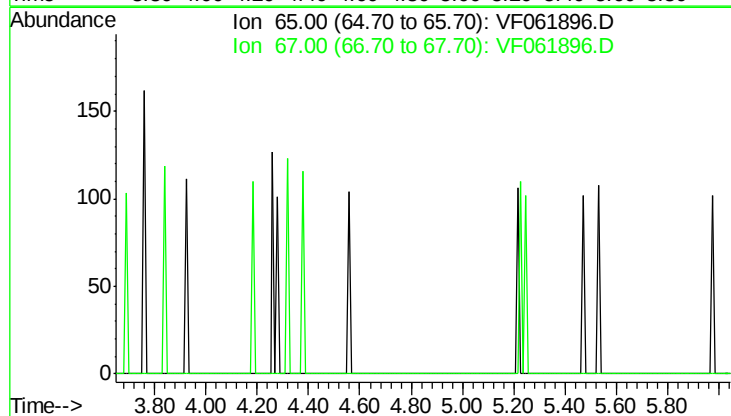
Acq: 11 Mar 2019 18:24

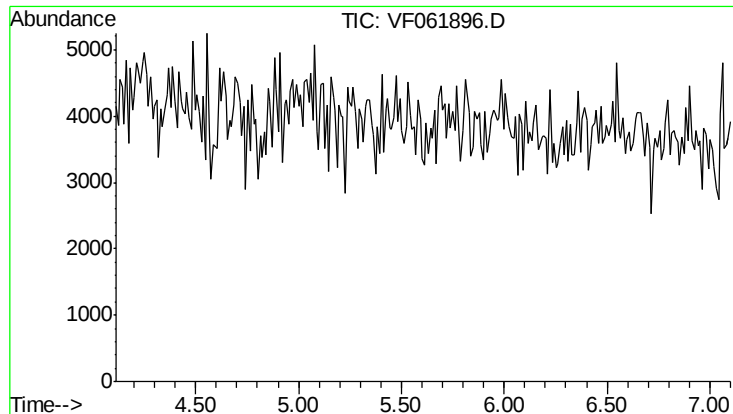
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.3



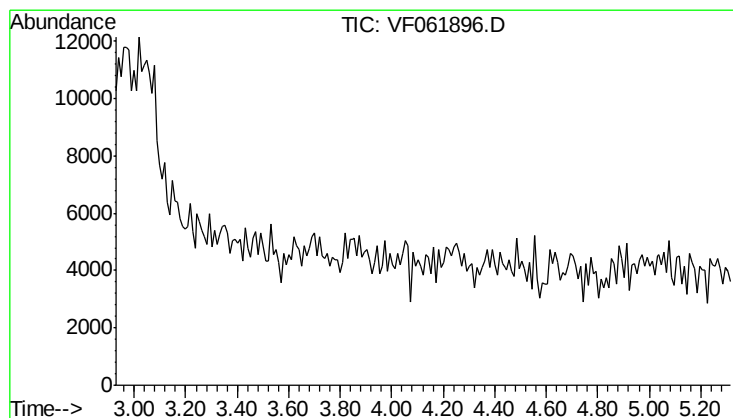
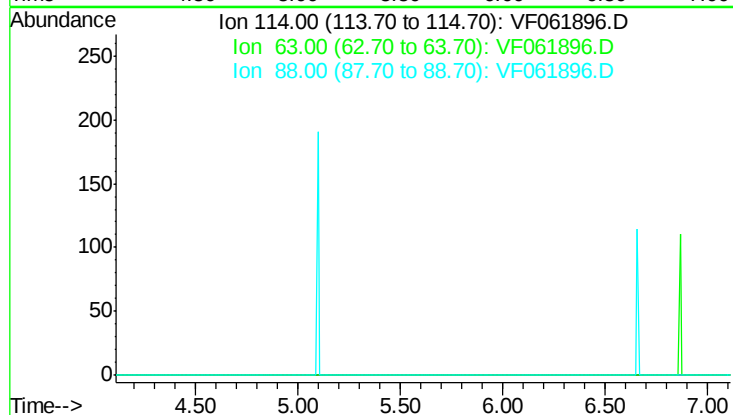


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.61 min

Lab File: VF061896.D
 Acq: 11 Mar 2019 18:24

Instrument :
 MSVOA_F
 ClientSampleId :
 P-3

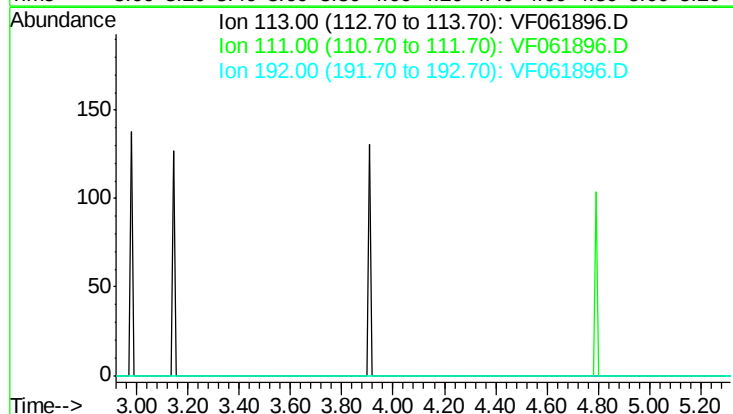
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 17.8
 88 17.8

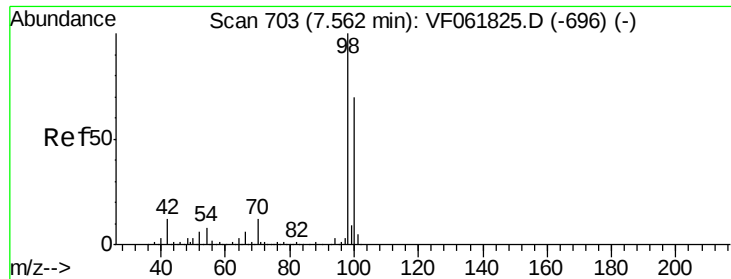


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.12 min

Lab File: VF061896.D
 Acq: 11 Mar 2019 18:24

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 97.0
 192 19.9





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

Instrument :

MSVOA_F

ClientSampleId :

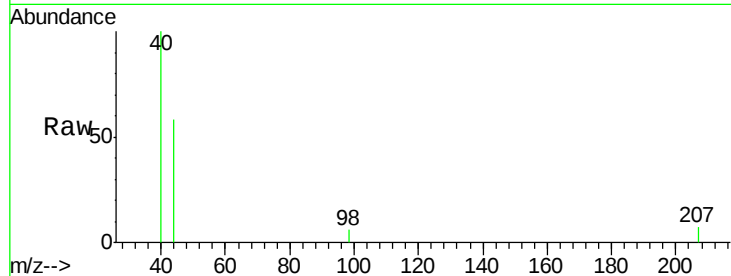
P-3

Tot Ion: 98 Resp: 64

Ion Ratio Lower Upper

98 100

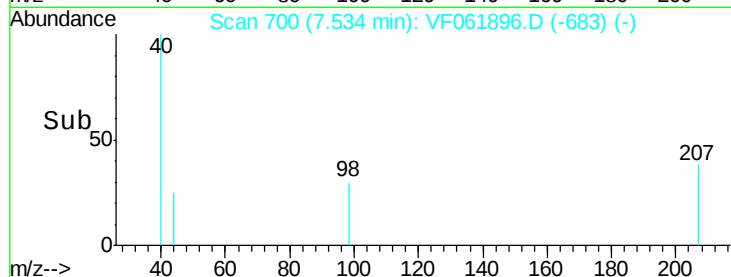
100 0.0 56.0 84.0#



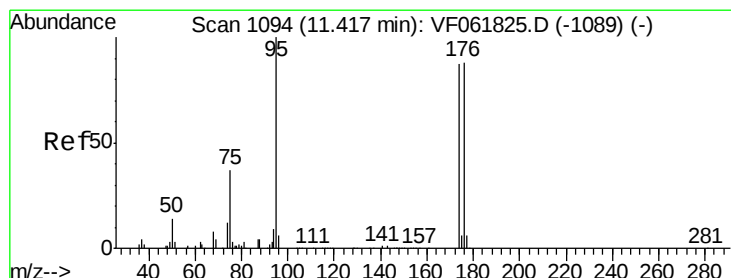
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.53



Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. 0.06 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

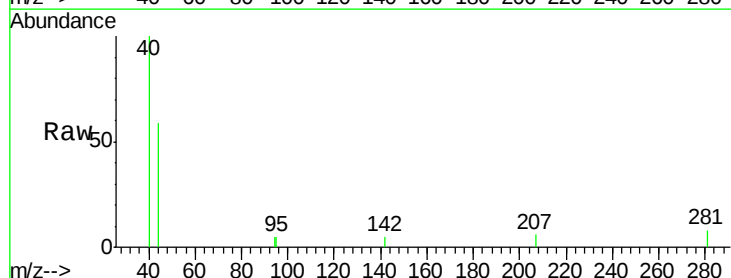
Tgt Ion: 95 Resp: 63

Ion Ratio Lower Upper

95 100

174 0.0 0.0 174.0

176 0.0 0.0 175.2

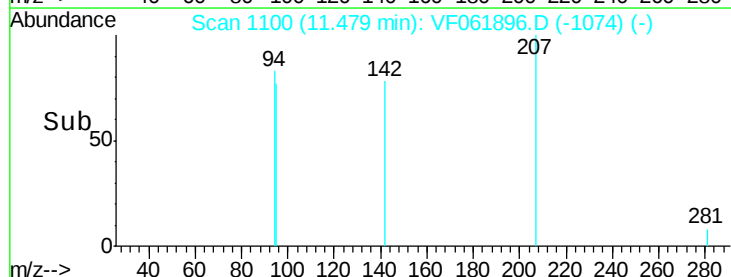


Abundance Ion 95.00 (94.70 to 95.70): VF0

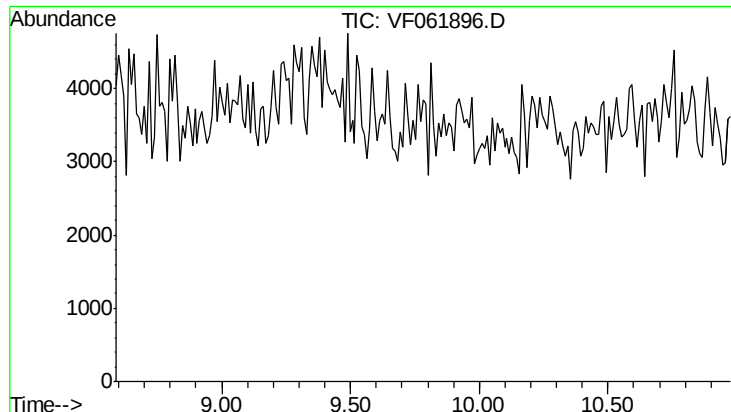
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.48



Time-->

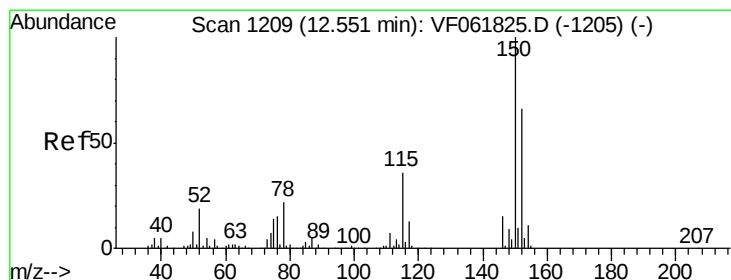
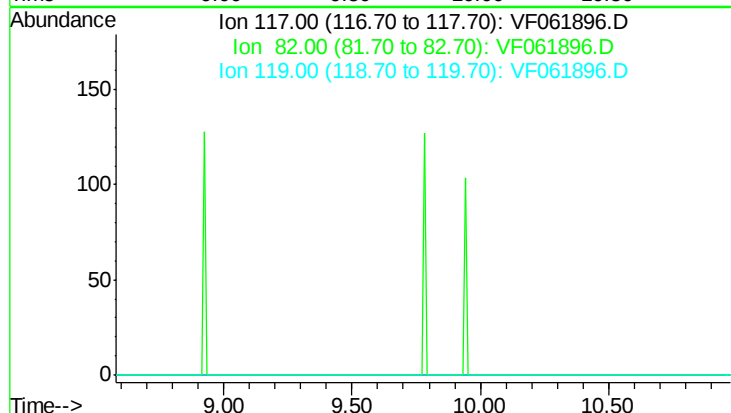


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min

Lab File: VF061896.D
 Acq: 11 Mar 2019 18:24

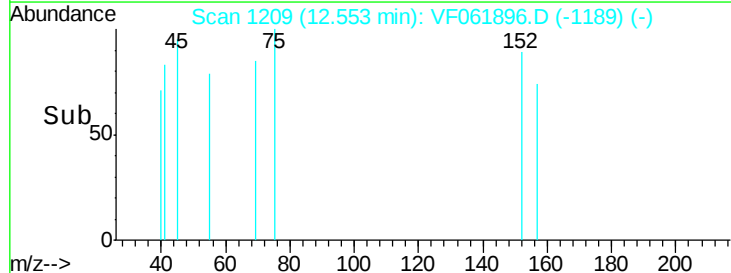
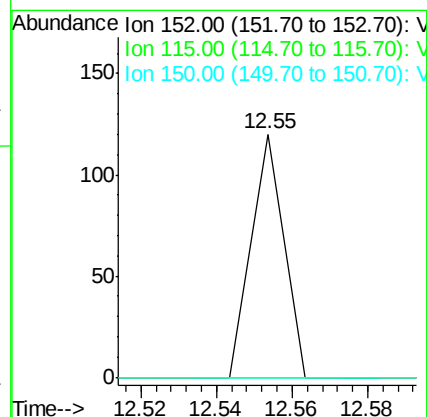
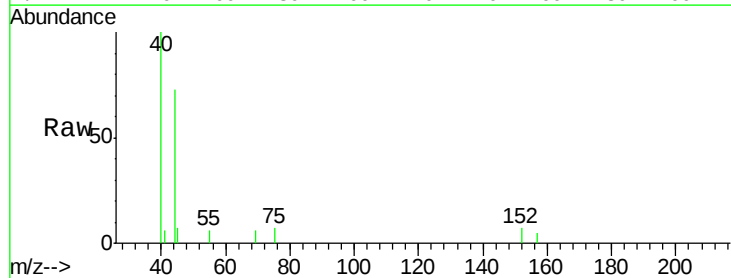
Instrument :
 MSVOA_F
 ClientSampleId :
 P-3

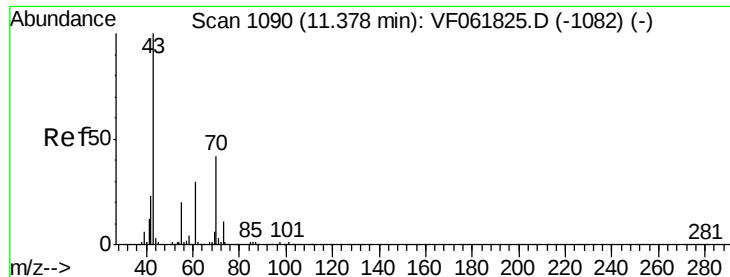
Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 53.2
 119 32.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF061896.D
 Acq: 11 Mar 2019 18:24

Tgt Ion: 152 Resp: 71
 Ion Ratio Lower Upper
 152 100
 115 0.0 27.7 83.1#
 150 0.0 0.0 304.2





#74

N-amvl acetate

Concen: 62.207 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

Instrument :

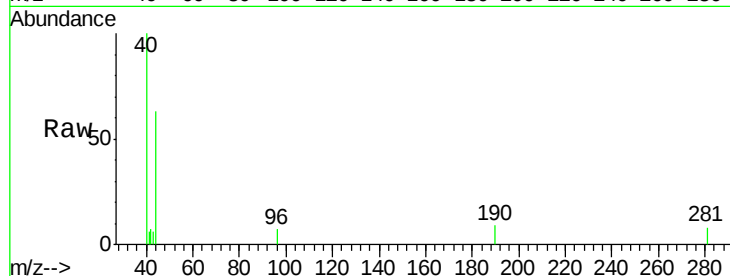
MSVOA_F

ClientSampleId :

P-3

Tot Ion: 43 Resp: 70

Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	0.0	16.3	24.5#
61	0.0	24.0	36.0#

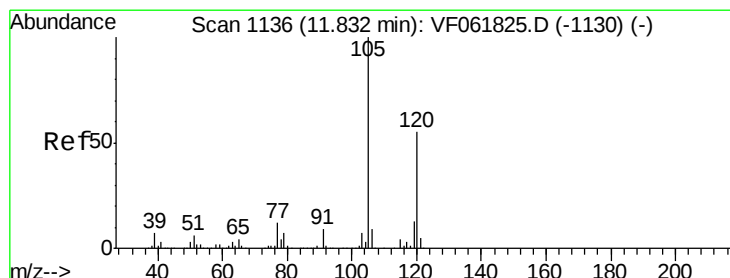
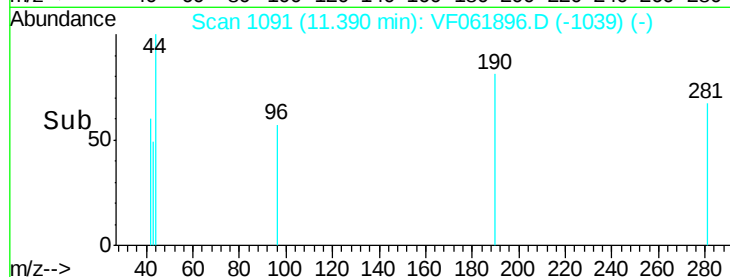
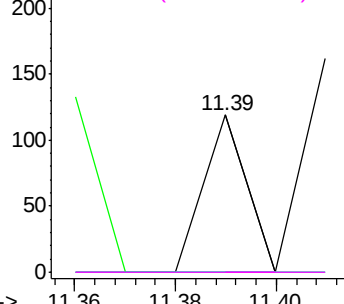


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#80

1,3,5-Trimethylbenzene

Concen: 16.053 ug/l

RT: 11.78 min Scan# 1131

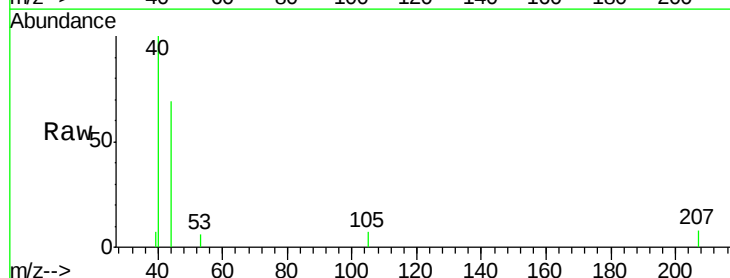
Delta R.T. -0.05 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

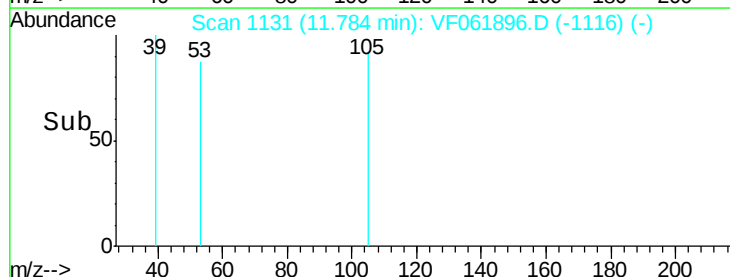
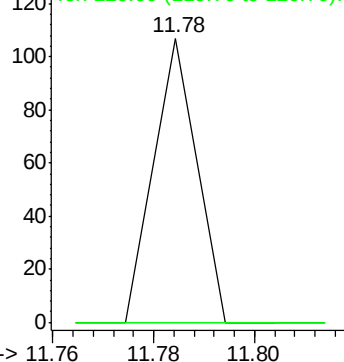
Tgt Ion: 105 Resp: 63

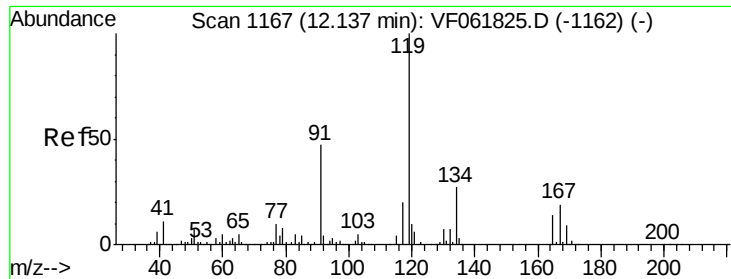
Ion	Ratio	Lower	Upper
105	100		
120	0.0	27.4	82.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

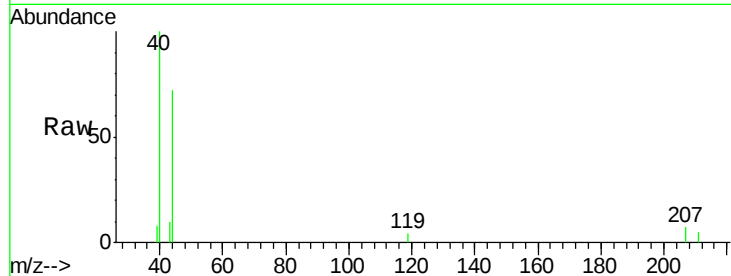




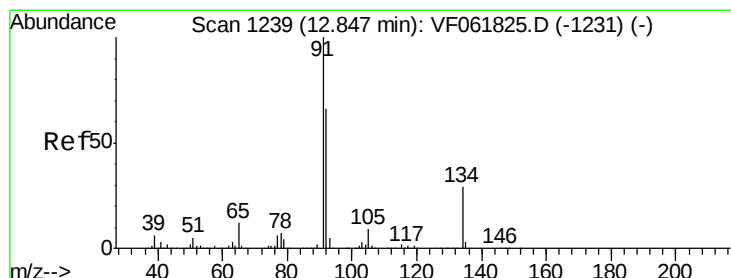
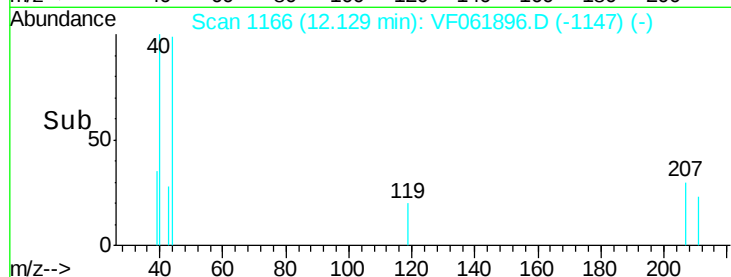
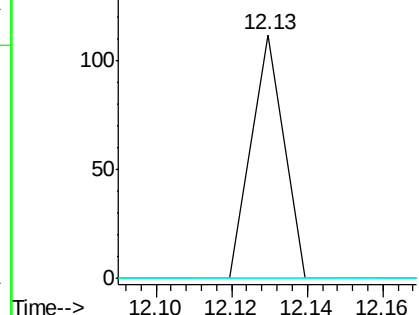
#83
tert-Butylbenzene
Concen: 15.838 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061896.D
Acq: 11 Mar 2019 18:24

Instrument :
MSVOA_F
ClientSampleId :
P-3

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	23.5	70.5#
134	0.0	13.3	39.8#

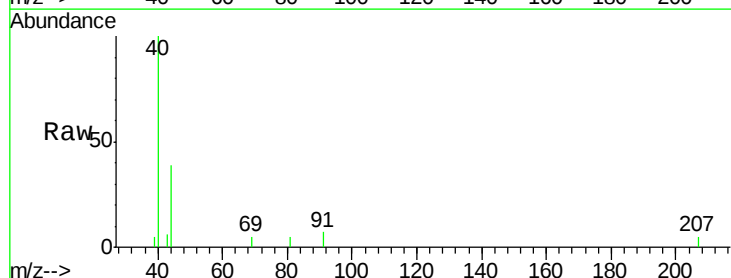


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

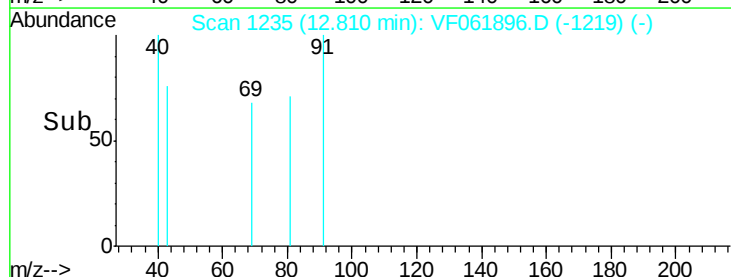
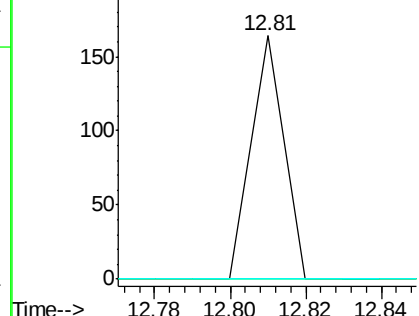


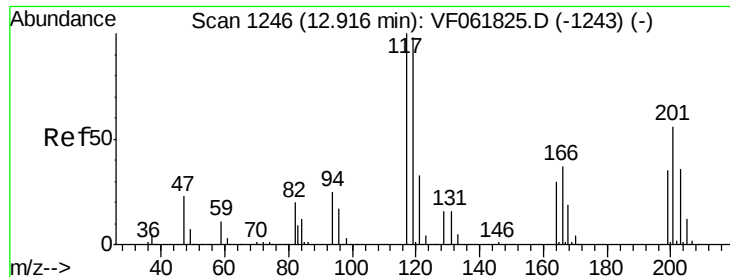
#89
n-Butylbenzene
Concen: 22.019 ug/l
RT: 12.81 min Scan# 1235
Delta R.T. -0.04 min
Lab File: VF061896.D
Acq: 11 Mar 2019 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	32.9	98.6#
134	0.0	14.5	43.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 99.143 ug/l

RT: 12.88 min Scan# 1242

Delta R.T. -0.04 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

Instrument :

MSVOA_F

ClientSampleId :

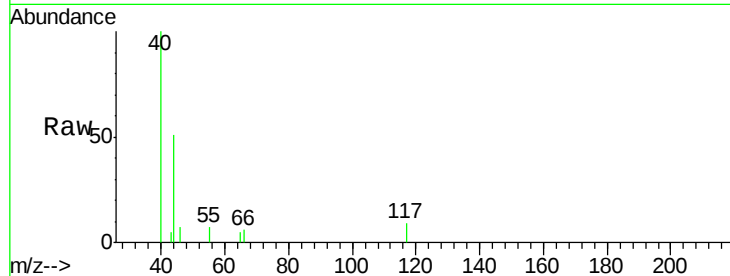
P-3

Tot Ion:117 Resp: 110

Ion Ratio Lower Upper

117 100

201 0.0 27.8 83.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.88

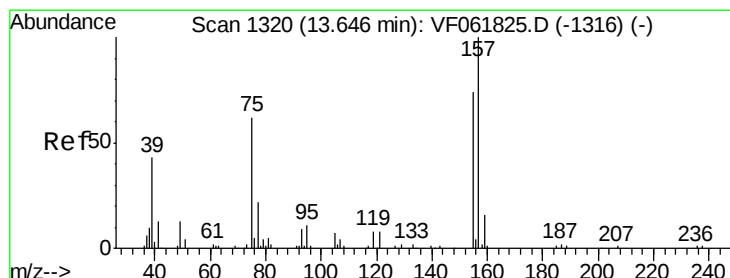
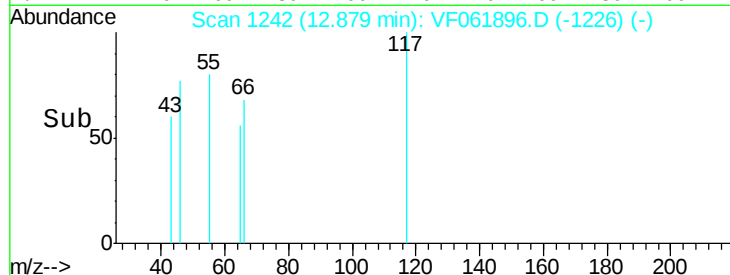
150

100

50

0

Time--> 12.84 12.86 12.88 12.90



#92

1,2-Dibromo-3-Chloropropane

Concen: 560.896 ug/l

RT: 13.70 min Scan# 1325

Delta R.T. 0.05 min

Lab File: VF061896.D

Acq: 11 Mar 2019 18:24

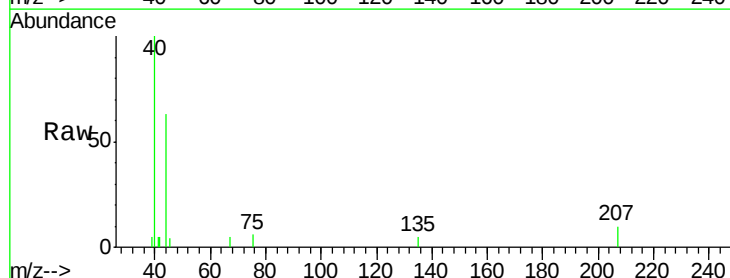
Tgt Ion: 75 Resp: 85

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.70

150

100

50

0

Time--> 13.66 13.68 13.70 13.72

