

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061755.D
 Acq On : 26 Feb 2019 21:51
 Operator : VA/AP
 Sample : K1628-01
 Misc : 6.64g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C5-1-0.5-1.0

Quant Time: Feb 27 04:09:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	325546	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.56	114	490650	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	443235	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	254968	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	106249	44.51	ug/l	-0.04
Spiked Amount			Recovery	=	89.02%	
35) Dibromofluoromethane	4.08	113	159844	43.87	ug/l	-0.03
Spiked Amount			Recovery	=	87.74%	
50) Toluene-d8	7.53	98	402446	38.42	ug/l	-0.03
Spiked Amount			Recovery	=	76.84%	
62) 4-Bromofluorobenzene	11.39	95	179042	42.25	ug/l	-0.02
Spiked Amount			Recovery	=	84.50%	

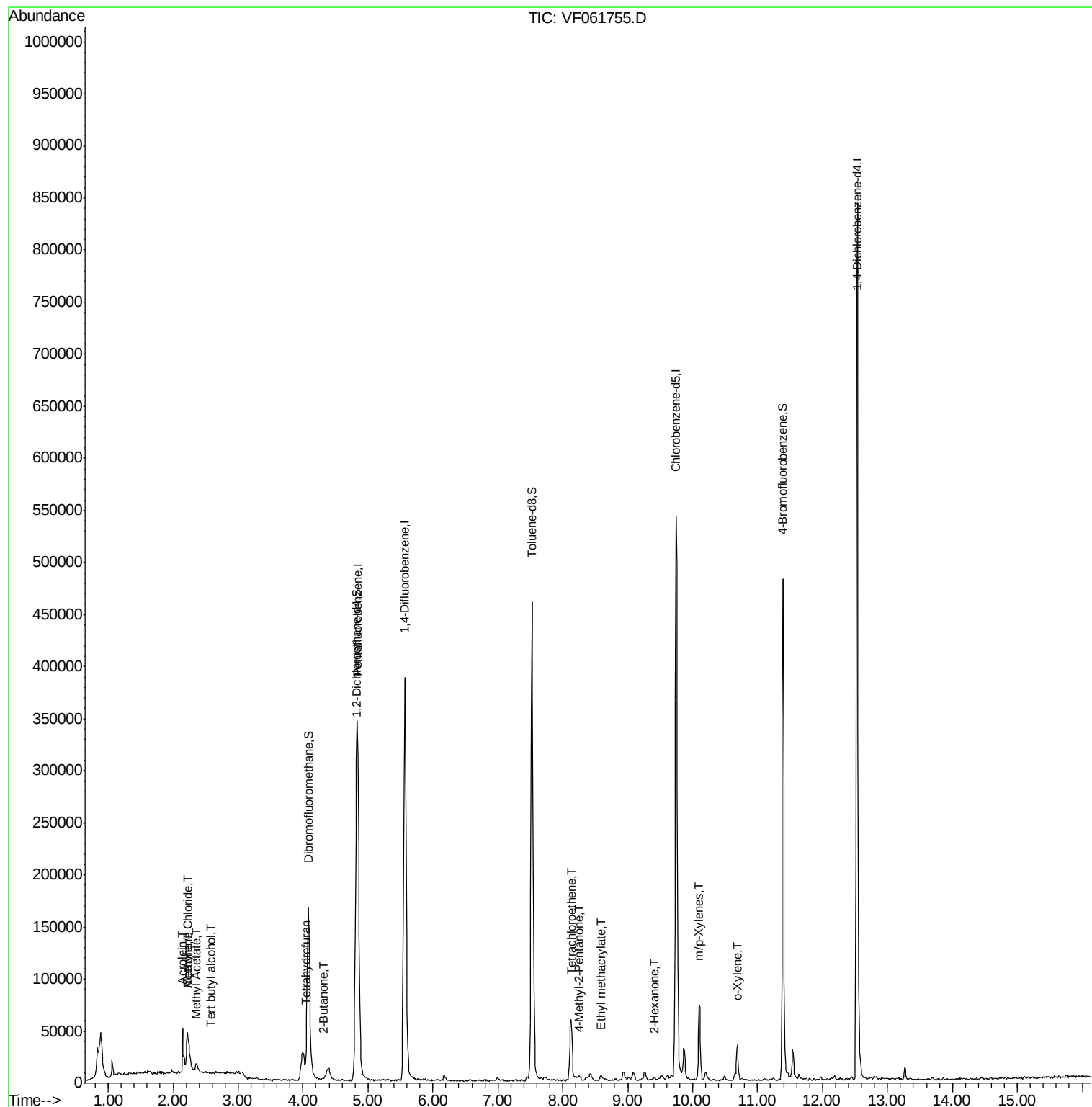
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	205	1.484	ug/l #	1
13) Acrolein	2.14	56	287	1.653	ug/l	85
16) Acetone	2.22	43	27634	53.951	ug/l #	84
18) Methyl Acetate	2.36	43	5082	4.404	ug/l #	59
20) Methylene Chloride	2.22	84	17211	3.949	ug/l	95
25) 2-Butanone	4.31	43	2261	2.021	ug/l #	55
29) Tetrahydrofuran	4.04	42	2361	4.643	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	4207	2.203	ug/l #	56
56) Ethyl methacrylate	8.59	69	2734	1.084	ug/l	92
59) 2-Hexanone	9.42	43	2374	1.774	ug/l #	44
64) Tetrachloroethene	8.13	164	19988	5.517	ug/l	98
68) m/p-Xylenes	10.11	106	26554	4.639	ug/l	95
69) o-Xylene	10.68	106	12221	2.001	ug/l	92

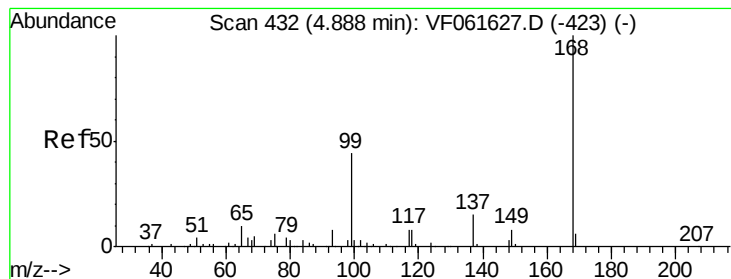
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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A0C5-1-0.5-1.0

Quant Time: Feb 27 04:09:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

Instrument :

MSVOA_F

ClientSampleId :

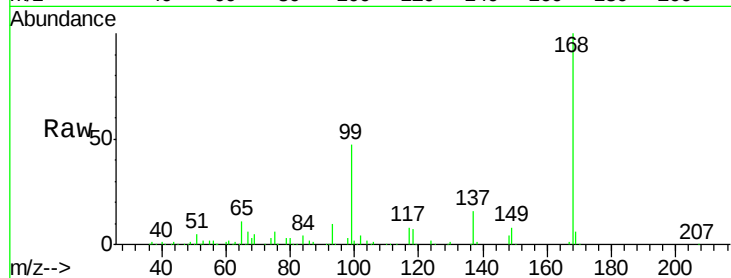
A0C5-1-0.5-1.0

Tot Ion:168 Resp: 325546

Ion Ratio Lower Upper

168 100

99 47.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

100000

80000

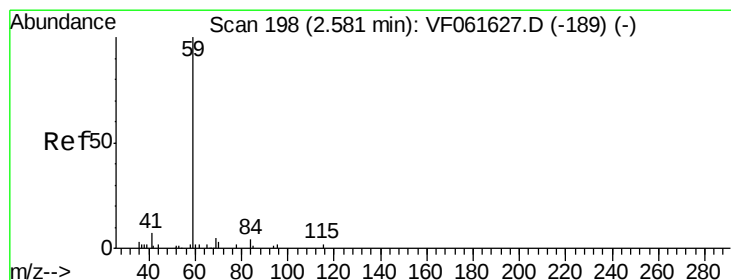
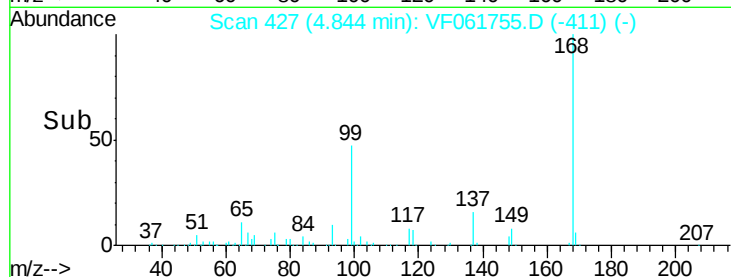
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.484 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF061755.D

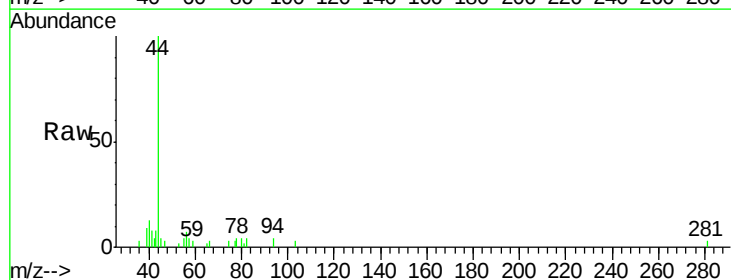
Acq: 26 Feb 2019 21:51

Tgt Ion: 59 Resp: 205

Ion Ratio Lower Upper

59 100

57 132.4 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

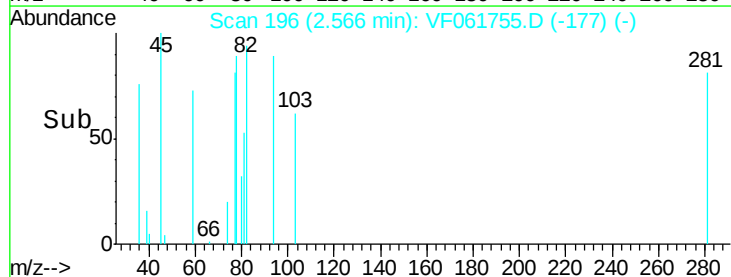
150

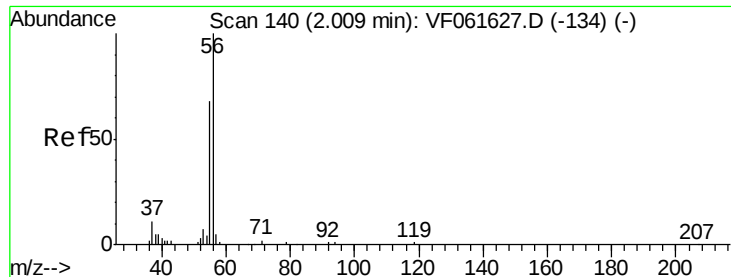
100

50

0

Time-->





#13

Acrolein

Concen: 1.653 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.13 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

Instrument :

MSVOA_F

ClientSampleId :

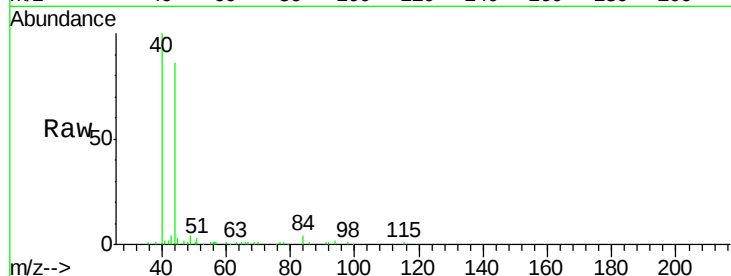
A0C5-1-0.5-1.0

Tot Ion: 56 Resp: 287

Ion Ratio Lower Upper

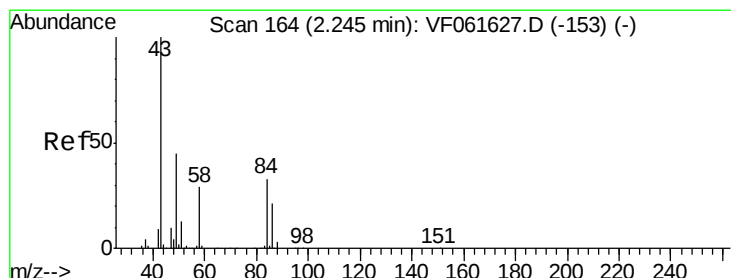
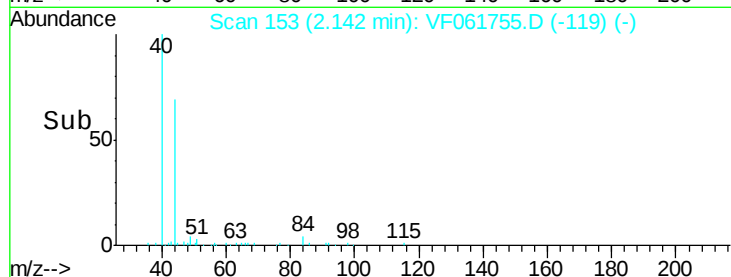
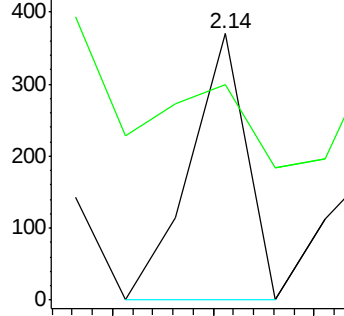
56 100

55 80.8 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 53.951 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061755.D

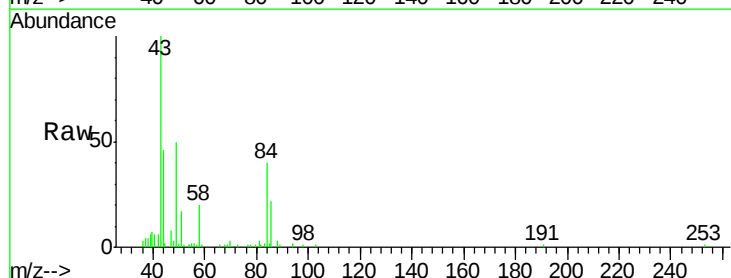
Acq: 26 Feb 2019 21:51

Tgt Ion: 43 Resp: 27634

Ion Ratio Lower Upper

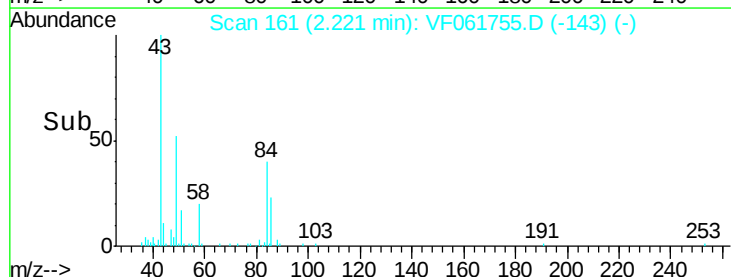
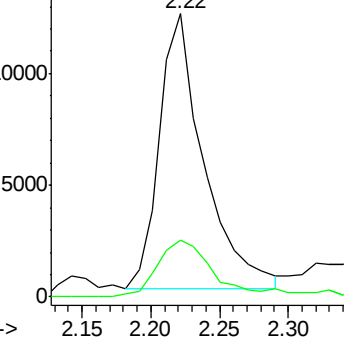
43 100

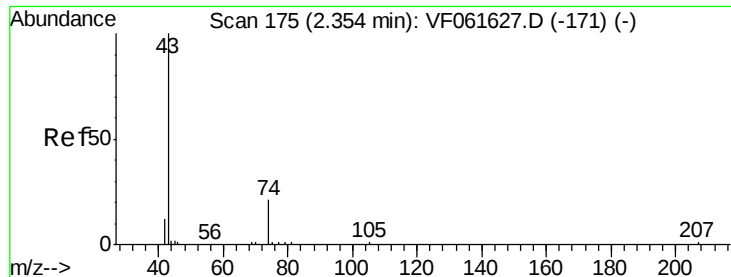
58 19.9 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

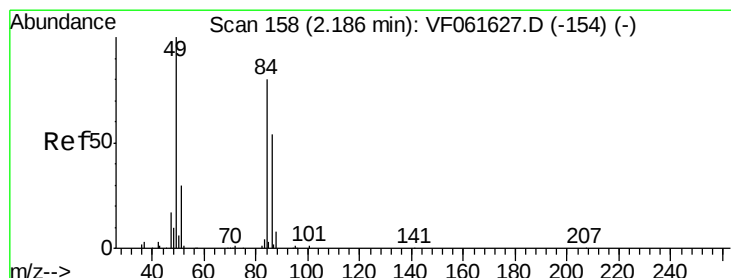
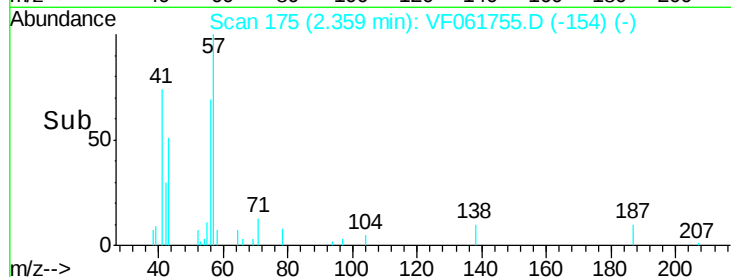
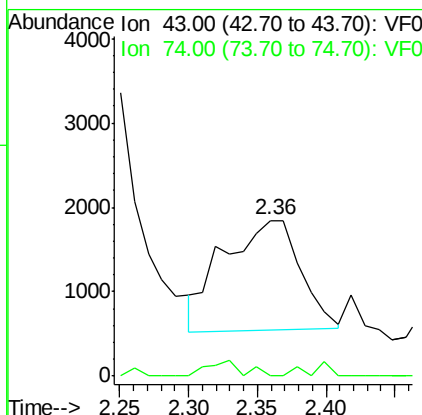
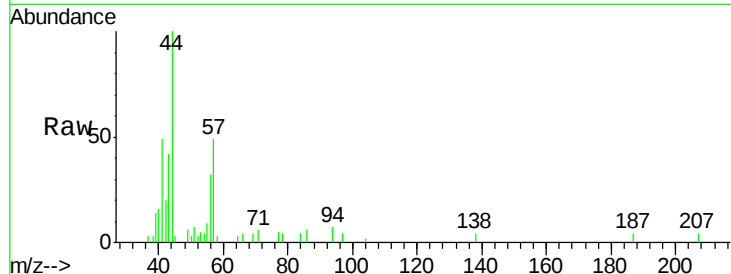




#18
Methyl Acetate
Concen: 4.404 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

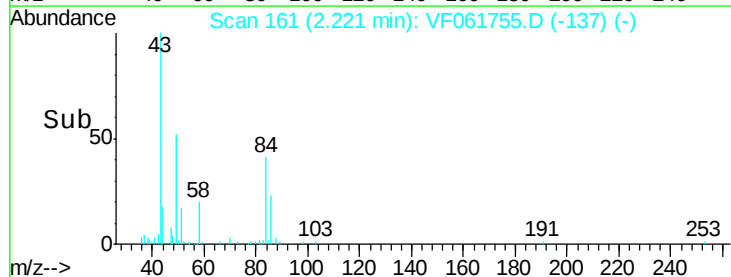
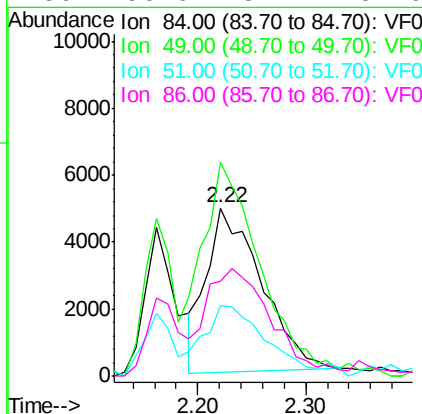
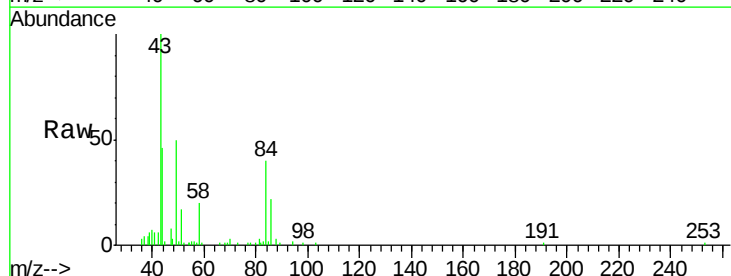
Instrument :
MSVOA_F
ClientSampleId :
A0C5-1-0.5-1.0

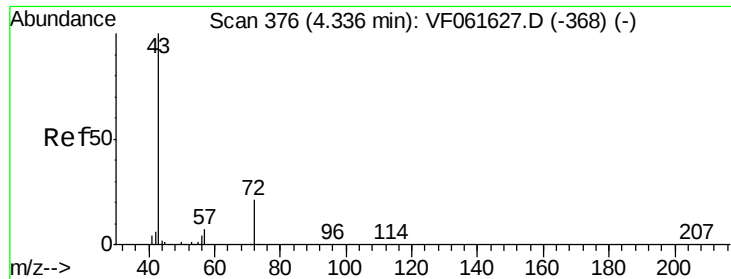
Tot Ion: 43 Resp: 5082
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 3.949 ug/l
RT: 2.22 min Scan# 161
Delta R.T. 0.04 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

Tgt Ion: 84 Resp: 17211
Ion Ratio Lower Upper
84 100
49 127.3 101.8 152.8
51 41.9 31.1 46.7
86 56.6 54.4 81.6

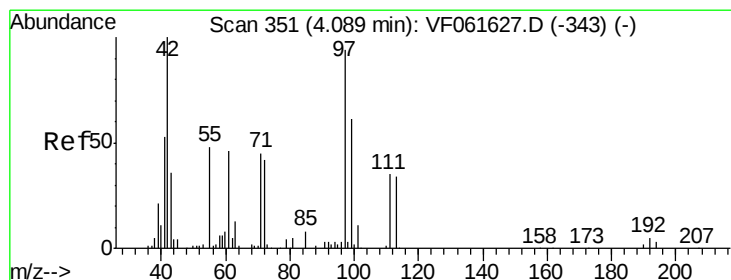
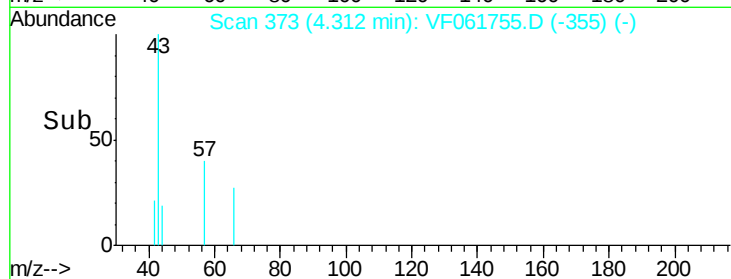
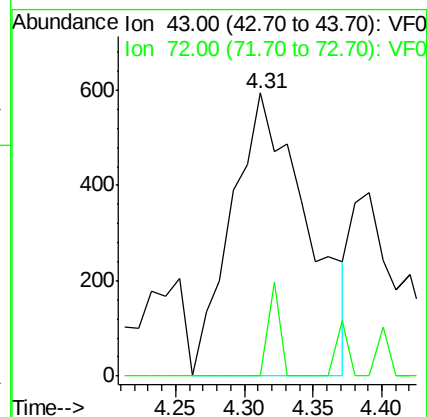
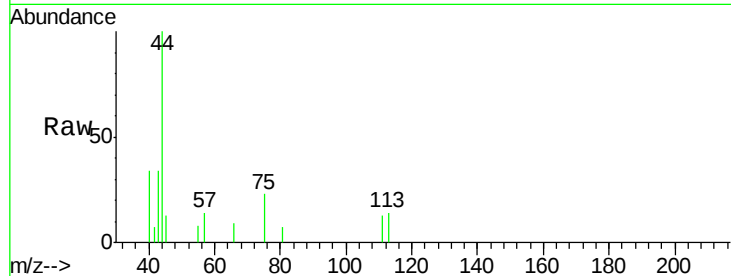




#25
2-Butanone
Concen: 2.021 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.02 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

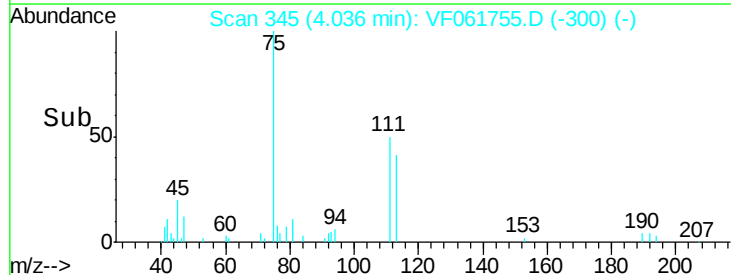
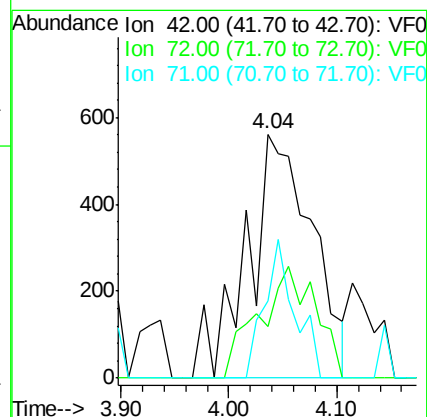
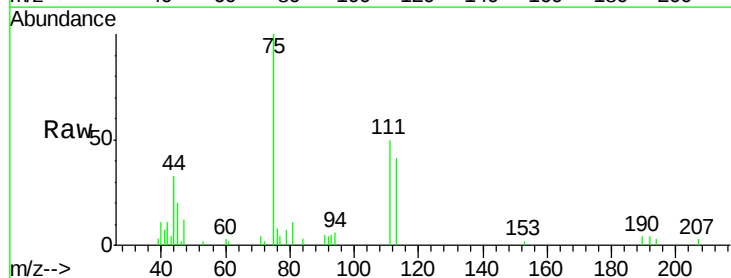
Instrument :
MSVOA_F
ClientSampleId :
A0C5-1-0.5-1.0

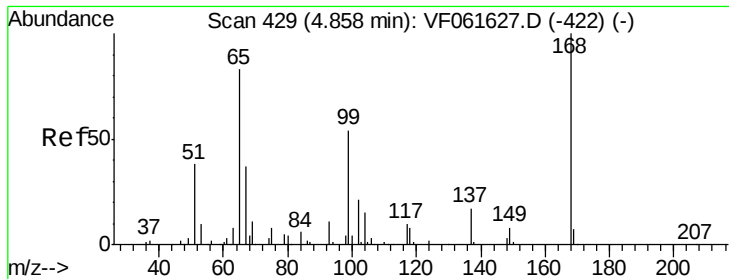
Tot Ion: 43 Resp: 2261
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#



#29
Tetrahydrofuran
Concen: 4.643 ug/l
RT: 4.04 min Scan# 345
Delta R.T. -0.05 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

Tgt Ion: 42 Resp: 2361
Ion Ratio Lower Upper
42 100
72 39.8 35.2 52.8
71 26.6 32.9 49.3#

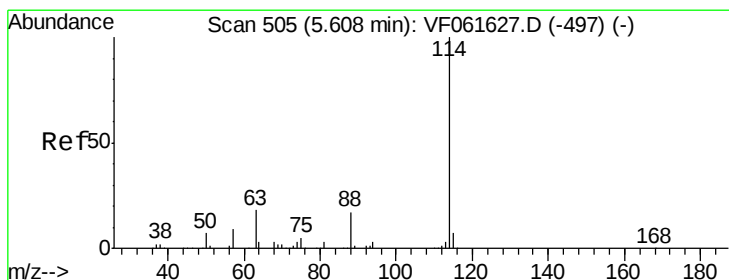
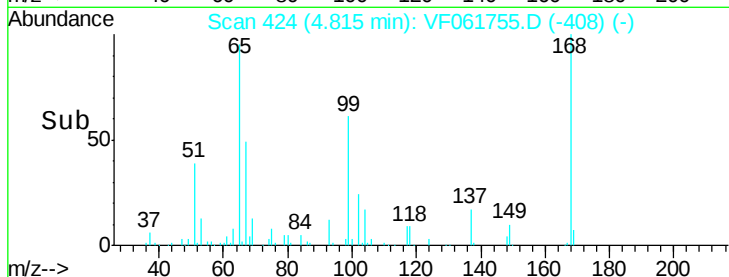
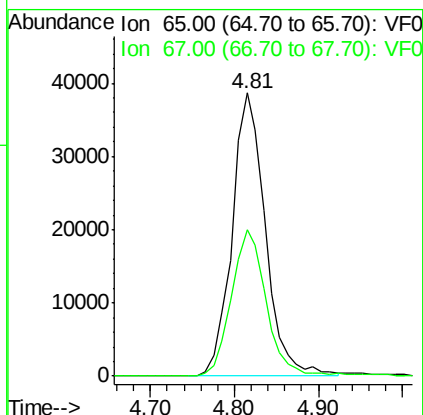
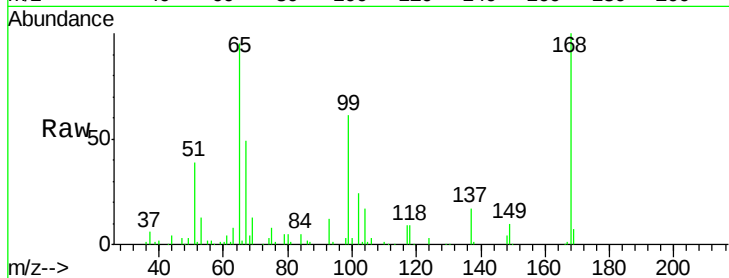




#33
 1,2-Dichloroethane-d4
 Concen: 44.506 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF061755.D
 Acq: 26 Feb 2019 21:51

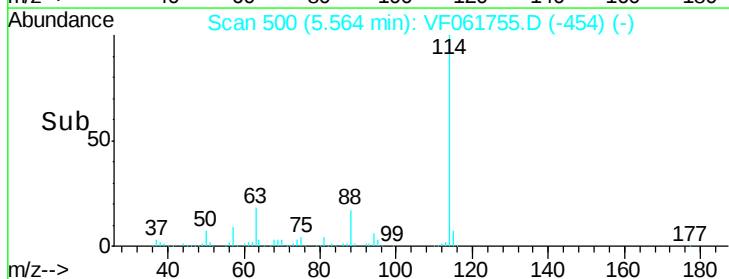
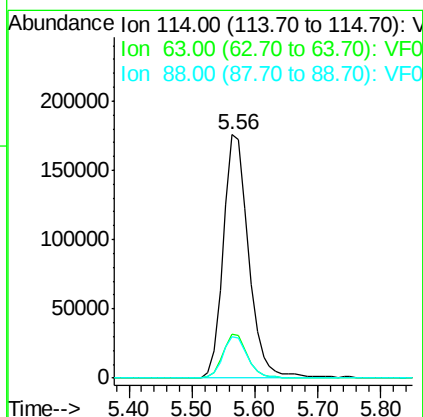
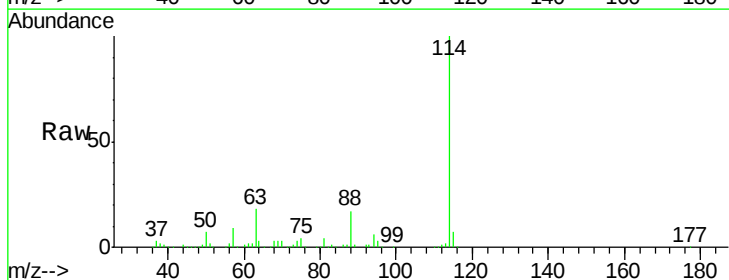
Instrument :
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 ClientSampleId :
 A0C5-1-0.5-1.0

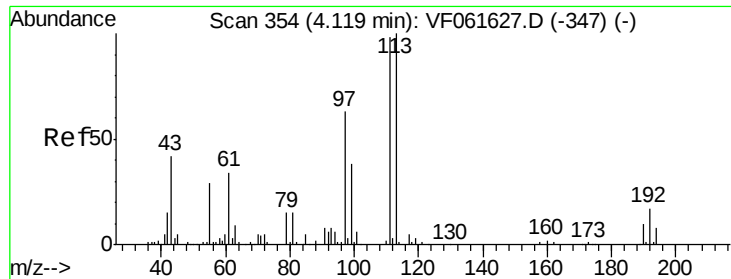
Tot Ion: 65 Resp: 106249
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 500
 Delta R.T. -0.04 min
 Lab File: VF061755.D
 Acq: 26 Feb 2019 21:51

Tgt Ion:114 Resp: 490650
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.6
 88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 43.870 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

Instrument :

MSVOA_F

ClientSampleId :

A0C5-1-0.5-1.0

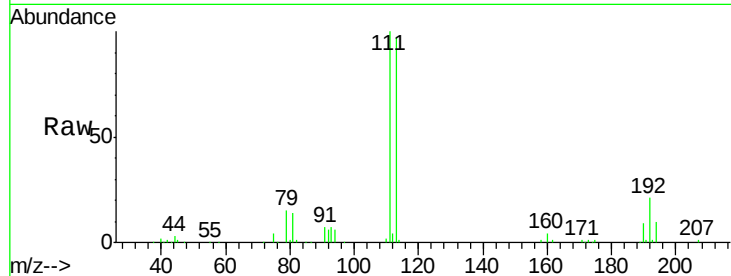
Tot Ion:113 Resp: 159844

Ion Ratio Lower Upper

113 100

111 103.6 78.8 118.2

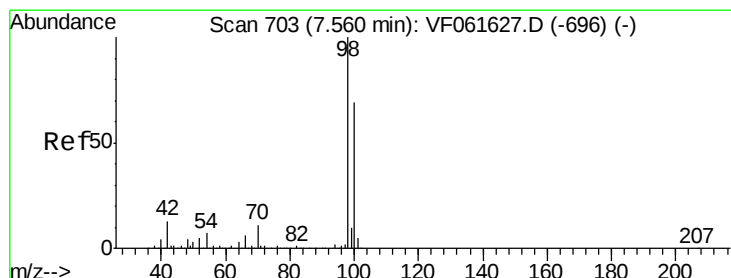
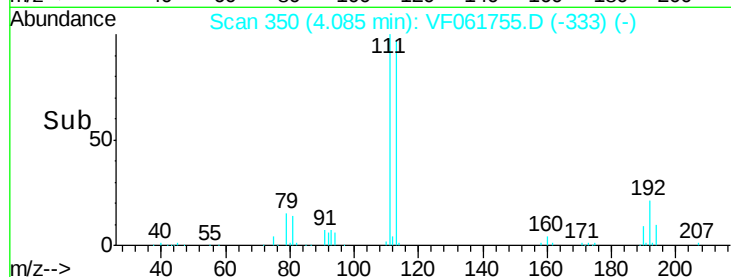
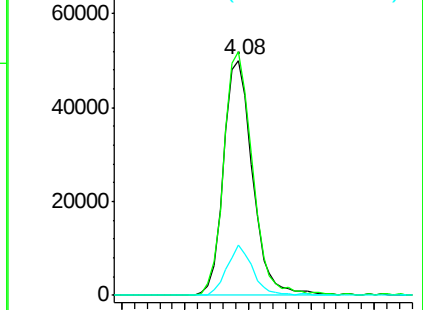
192 21.9 13.4 20.0#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 38.422 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF061755.D

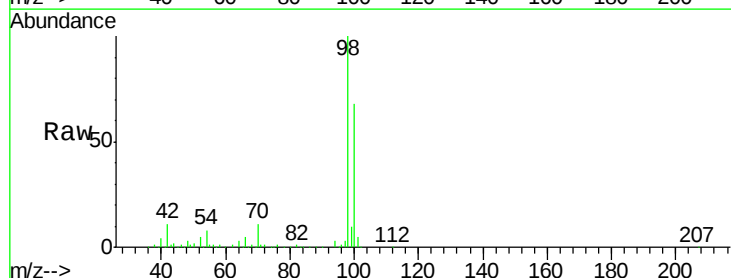
Acq: 26 Feb 2019 21:51

Tgt Ion: 98 Resp: 402446

Ion Ratio Lower Upper

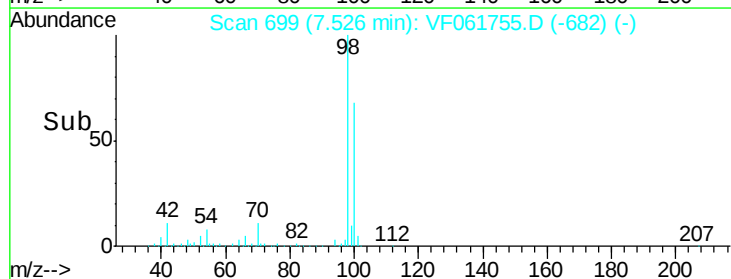
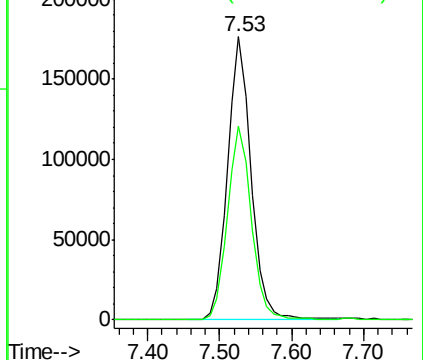
98 100

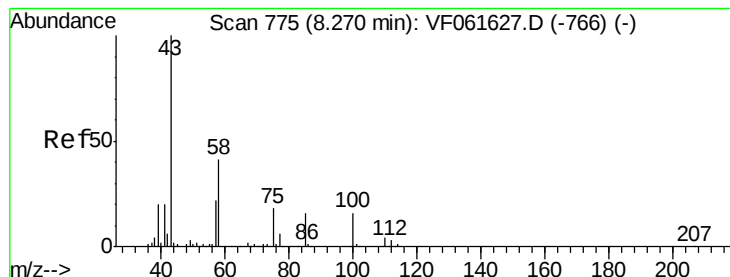
100 68.4 55.4 83.2



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: 2.203 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

Instrument :

MSVOA_F

ClientSampleId :

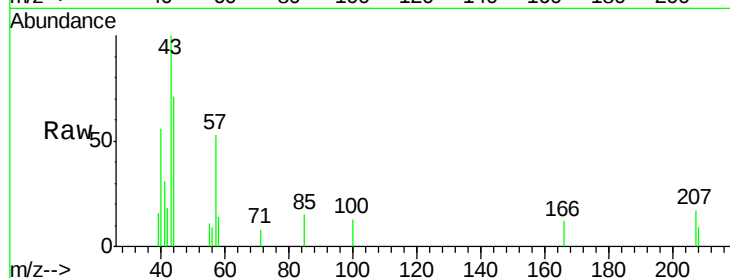
A0C5-1-0.5-1.0

Tot Ion: 43 Resp: 4207

Ion Ratio Lower Upper

43 100

58 13.8 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

1500

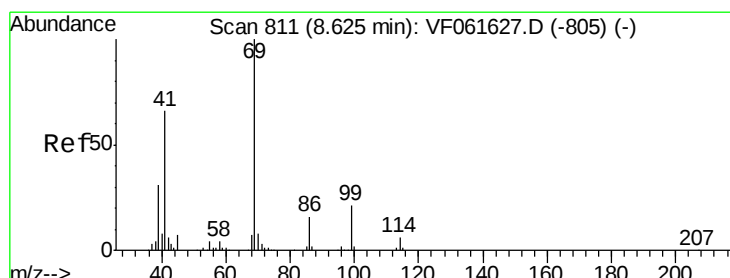
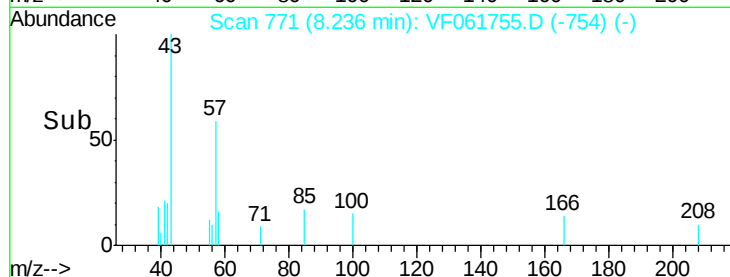
1000

500

0

8.20 8.30

Time-->



#56

Ethyl methacrylate

Concen: 1.084 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.03 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

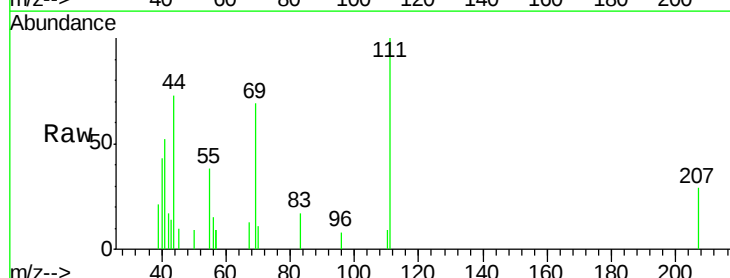
Tgt Ion: 69 Resp: 2734

Ion Ratio Lower Upper

69 100

41 74.9 52.9 79.3

39 30.1 24.5 36.7



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

8.59

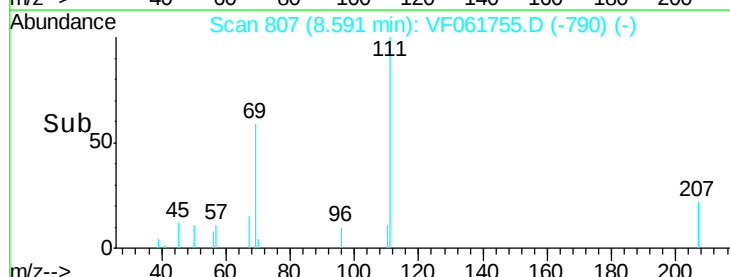
1000

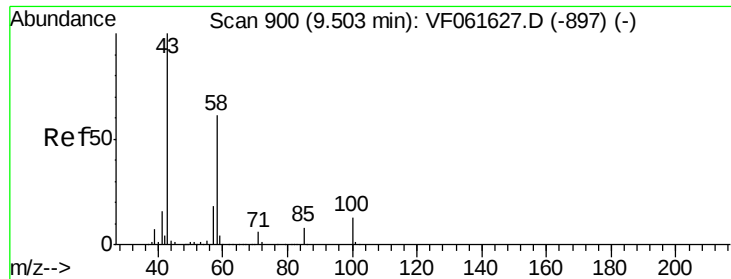
500

0

8.50 8.55 8.60 8.65

Time-->

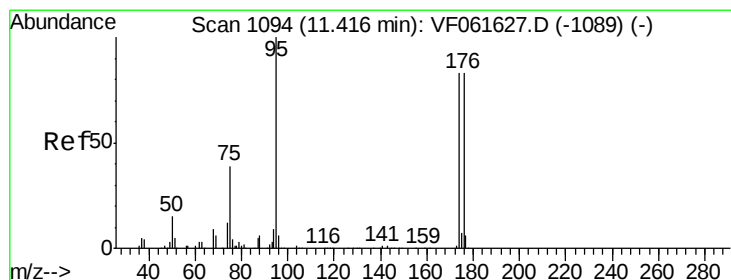
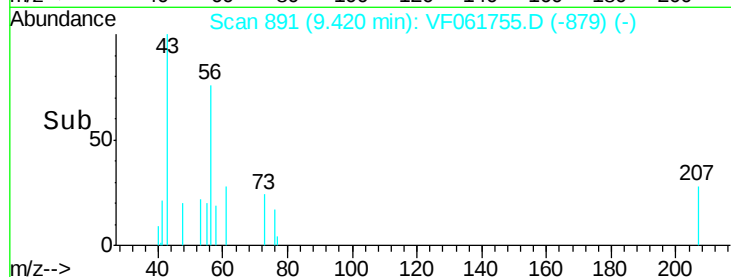
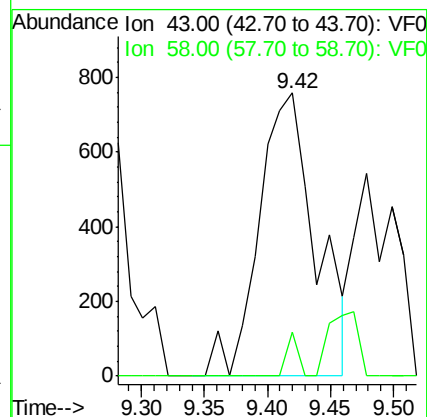
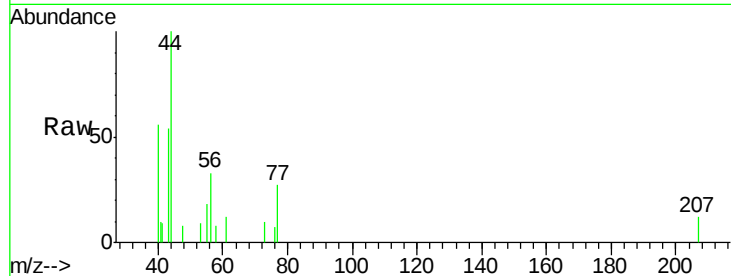




#59
2-Hexanone
Concen: 1.774 ug/l
RT: 9.42 min Scan# 891
Delta R.T. -0.08 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

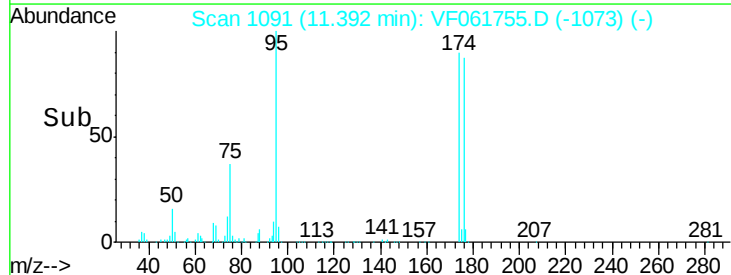
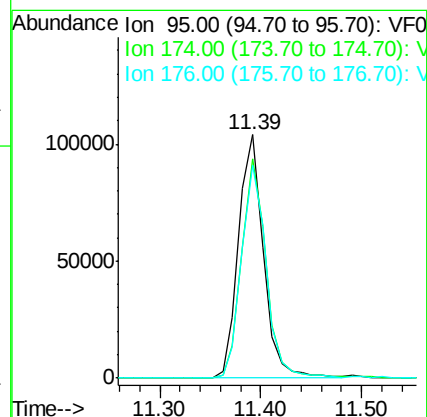
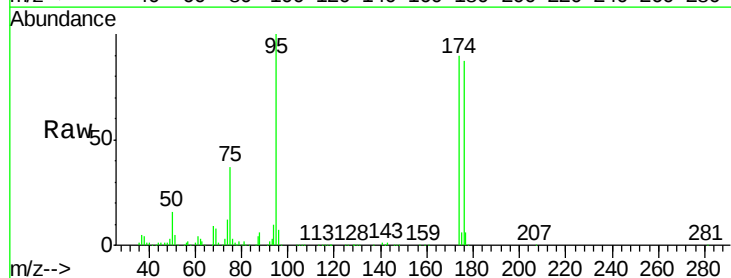
Instrument :
MSVOA_F
ClientSampleId :
A0C5-1-0.5-1.0

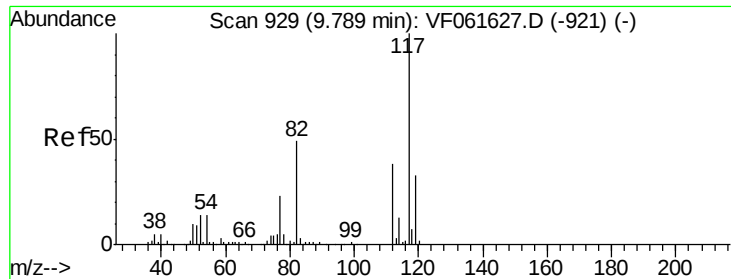
Tot Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 15.4 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 42.246 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

Tgt Ion: 95 Resp: 179042
Ion Ratio Lower Upper
95 100
174 90.1 0.0 165.8
176 87.4 0.0 167.0

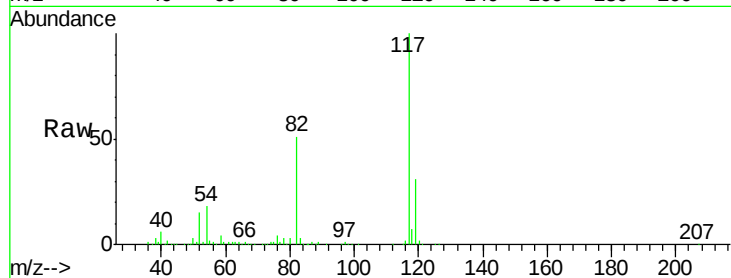




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 924
Delta R.T. -0.04 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

Instrument :
MSVOA_F
ClientSampleId :
A0C5-1-0.5-1.0

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	39.3	58.9
119	31.3	26.6	40.0

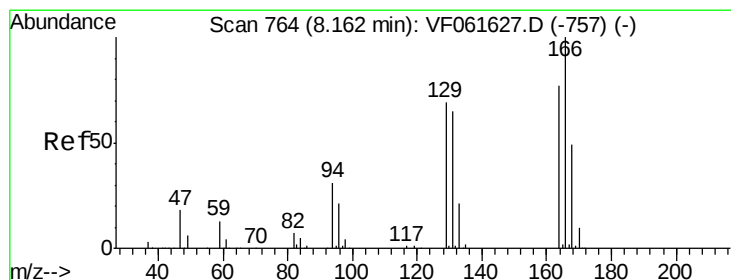
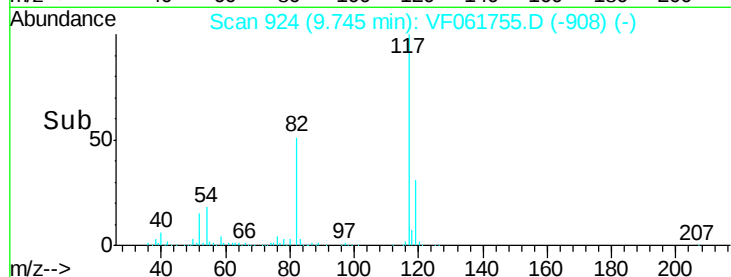
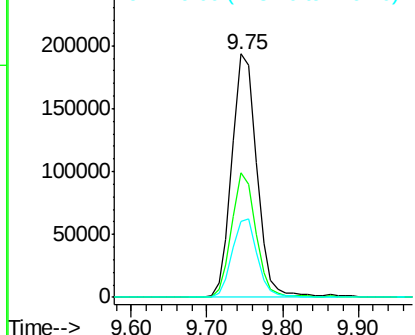


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 5.517 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061755.D
Acq: 26 Feb 2019 21:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.9	155.9
129	92.4	71.3	106.9
131	83.7	67.1	100.7

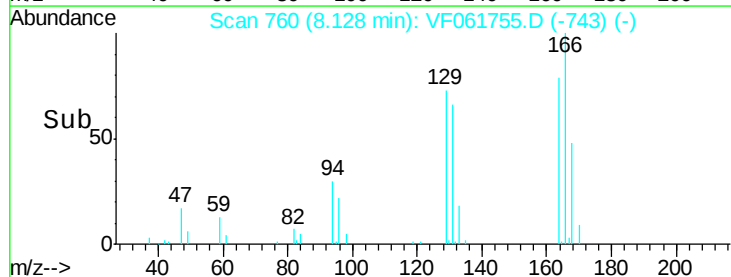
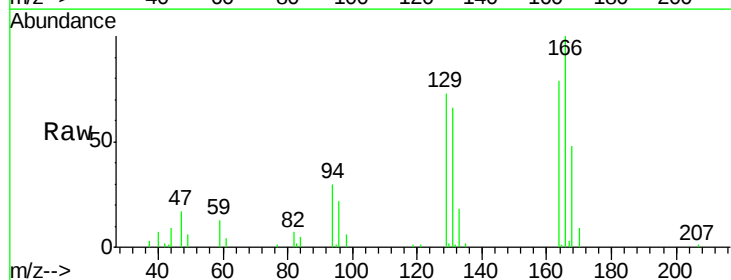
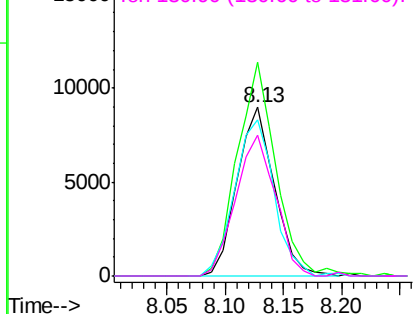
Abundance

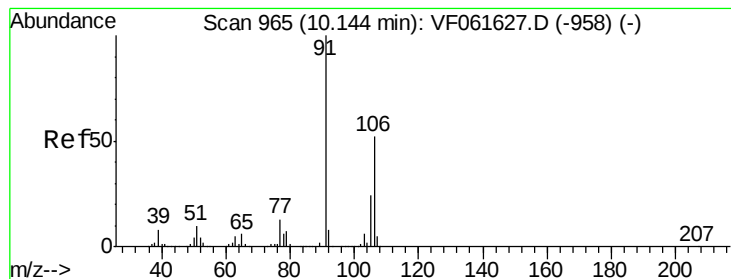
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#68

m/p-Xylenes

Concen: 4.639 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

Instrument :

MSVOA_F

ClientSampleId :

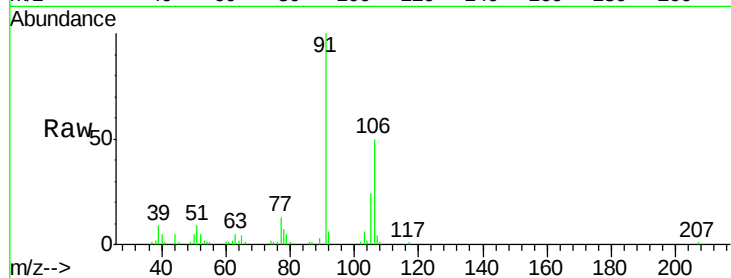
A0C5-1-0.5-1.0

Tot Ion:106 Resp: 26554

Ion Ratio Lower Upper

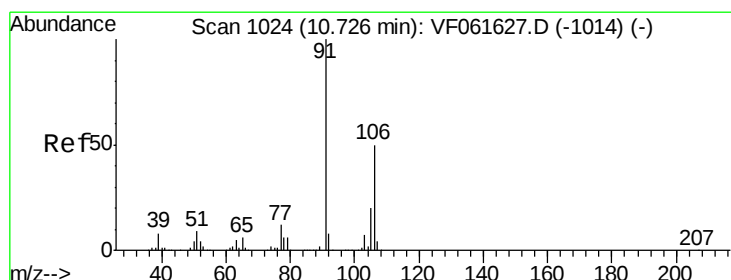
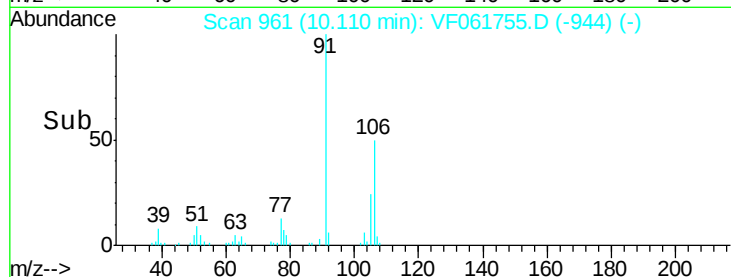
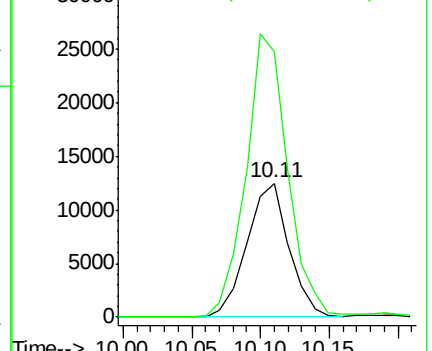
106 100

91 198.5 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 2.001 ug/l

RT: 10.68 min Scan# 1019

Delta R.T. -0.04 min

Lab File: VF061755.D

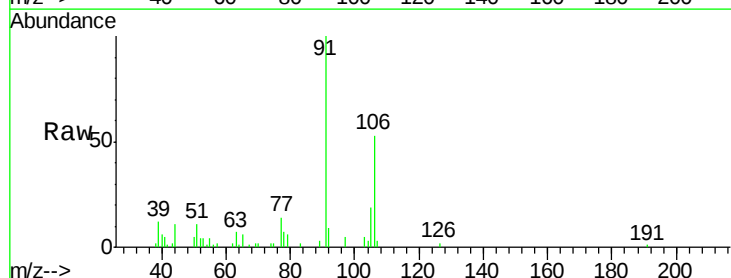
Acq: 26 Feb 2019 21:51

Tgt Ion:106 Resp: 12221

Ion Ratio Lower Upper

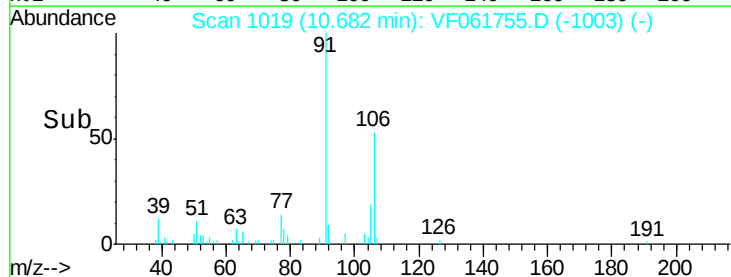
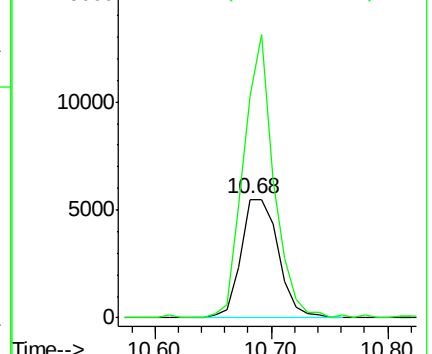
106 100

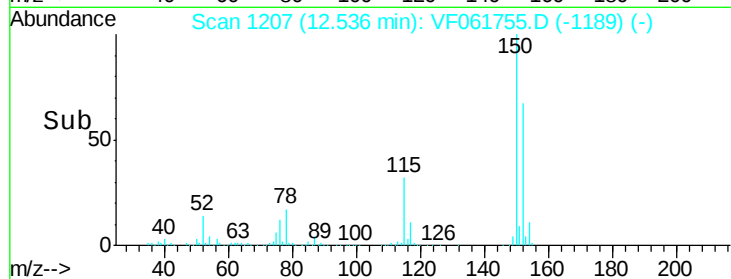
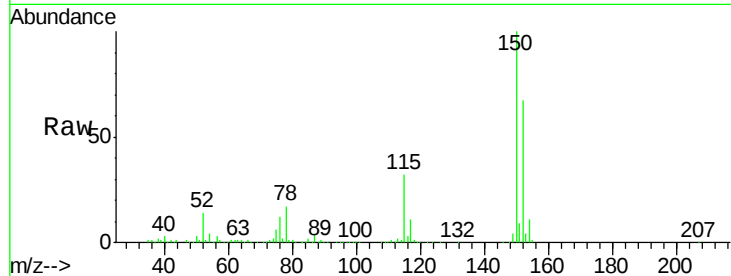
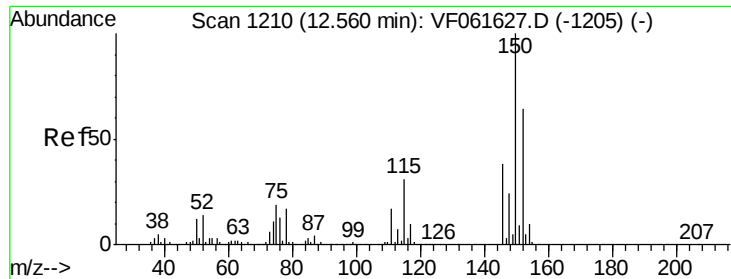
91 188.0 100.1 300.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061755.D

Acq: 26 Feb 2019 21:51

Instrument :

MSVOA_F

ClientSampleId :

A0C5-1-0.5-1.0

Tot Ion:152 Resp: 254968

Ion Ratio Lower Upper

152 100

115 48.4 24.3 72.8

150 149.7 0.0 312.0

