

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061758.D
 Acq On : 26 Feb 2019 23:18
 Operator : VA/AP
 Sample : K1628-04
 Misc : 6.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C6-2-0.5-1.0

Quant Time: Feb 27 04:10:29 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	4.85	168	343121	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	526596	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	455616	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	252795	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	102344	40.67	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	81.34%	
35) Dibromofluoromethane	4.09	113	157340	40.23	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	80.46%	
50) Toluene-d8	7.53	98	392153	34.88	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	11.39	95	175921	38.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	77.36%	

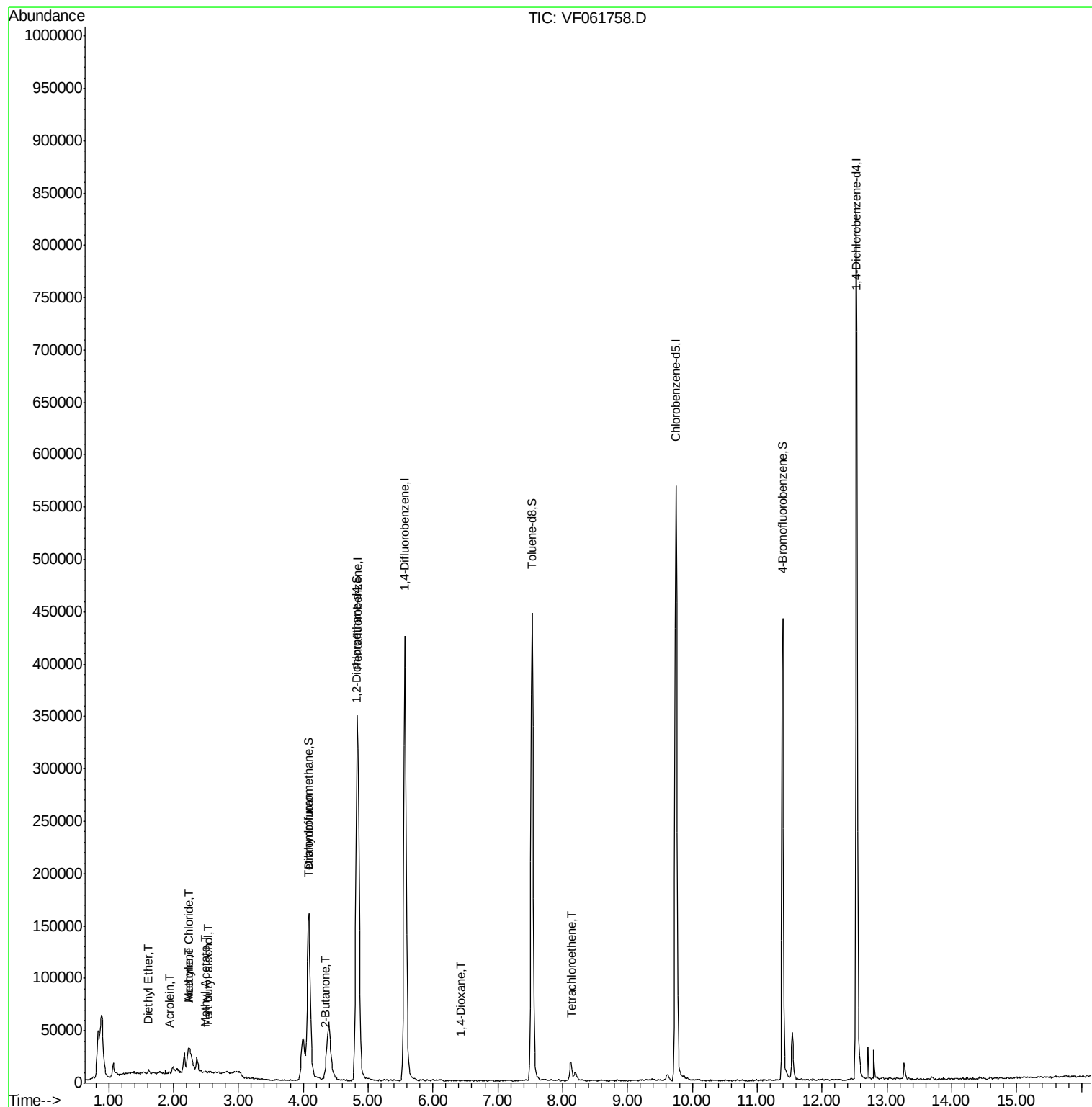
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.61	74	1367	1.170	ug/l	71
11) Tert butyl alcohol	2.54	59	394	2.706	ug/l #	13
13) Acrolein	1.95	56	661	3.612	ug/l	92
16) Acetone	2.22	43	14576	27.000	ug/l	97
18) Methyl Acetate	2.48	43	1379	1.134	ug/l	97
20) Methylene Chloride	2.24	84	17900	3.862	ug/l	96
25) 2-Butanone	4.32	43	1497	1.269	ug/l	91
29) Tetrahydrofuran	4.07	42	1810	3.377	ug/l #	57
49) 1,4-Dioxane	6.42	88	60	3.698	ug/l #	20
64) Tetrachloroethene	8.13	164	6210	1.667	ug/l	85

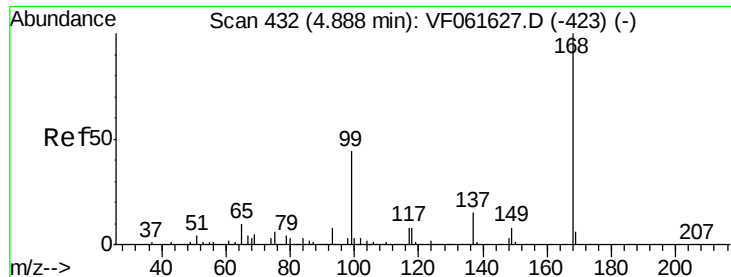
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

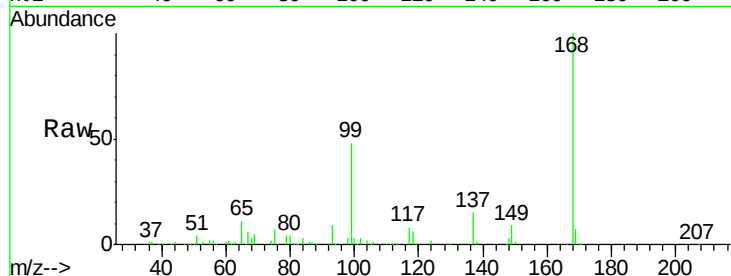
A0C6-2-0.5-1.0

Tot Ion:168 Resp: 343121

Ion Ratio Lower Upper

168 100

99 48.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

120000

100000

80000

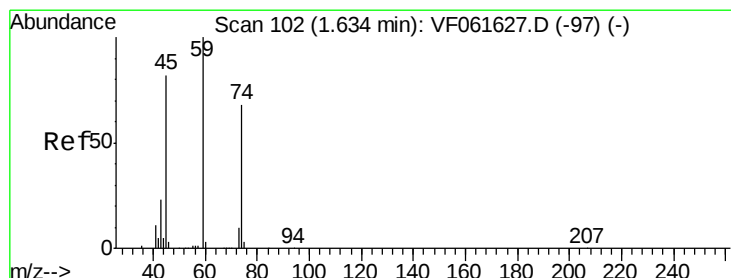
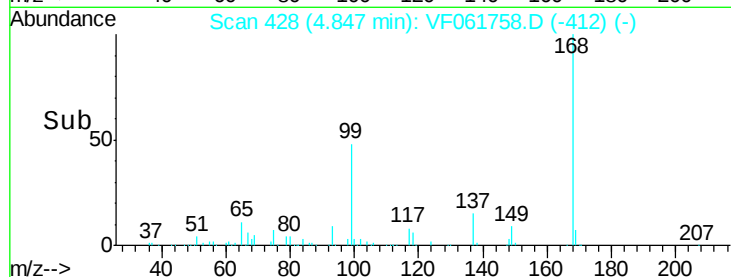
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.170 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061758.D

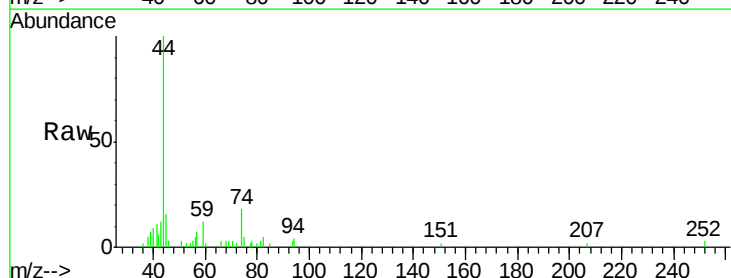
Acq: 26 Feb 2019 23:18

Tgt Ion: 74 Resp: 1367

Ion Ratio Lower Upper

74 100

45 89.2 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1200

1000

800

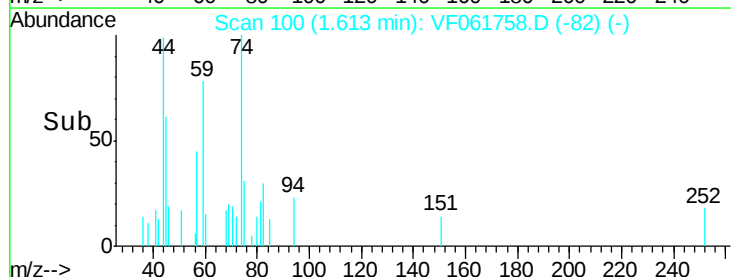
600

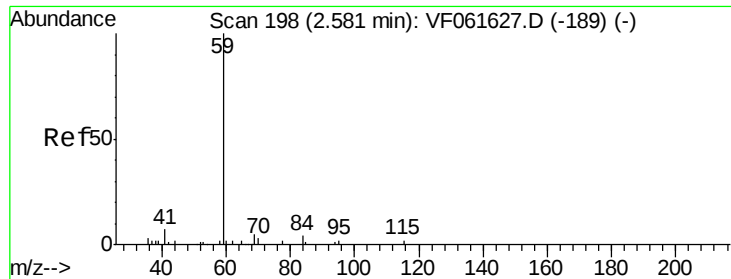
400

200

0

Time-->



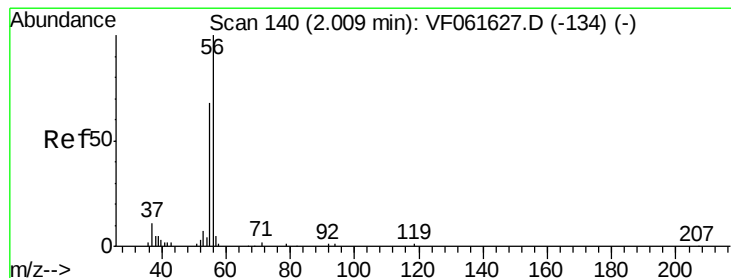
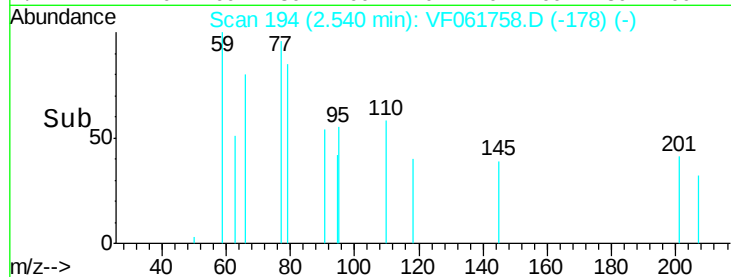
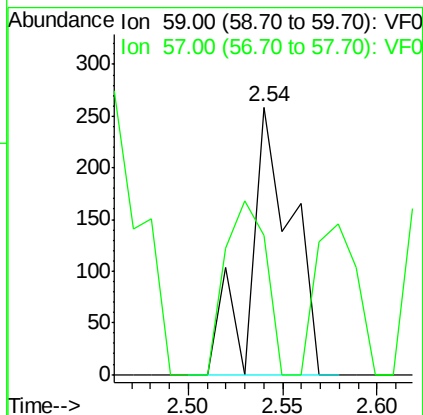
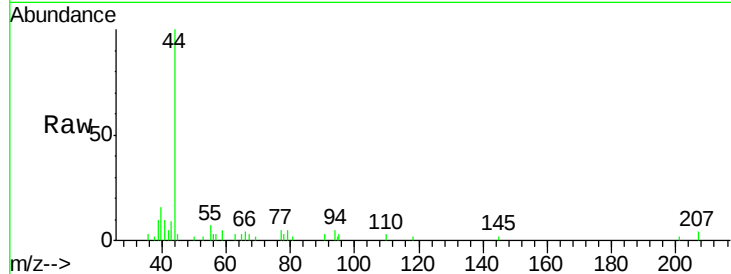


#11

Tert butyl alcohol
Concen: 2.706 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF061758.D
Acq: 26 Feb 2019 23:18

Instrument :
MSVOA_F
ClientSampleId :
A0C6-2-0.5-1.0

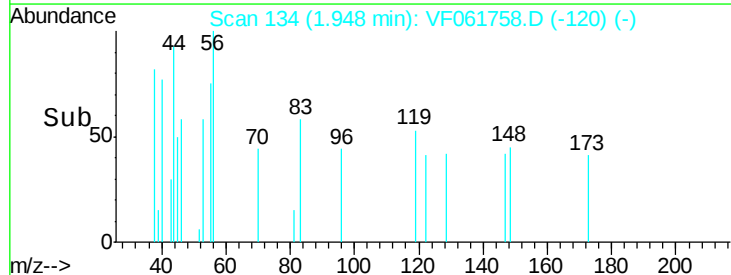
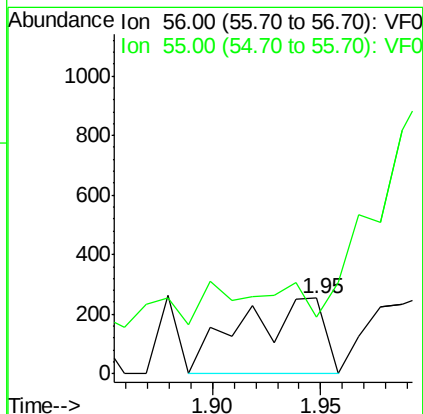
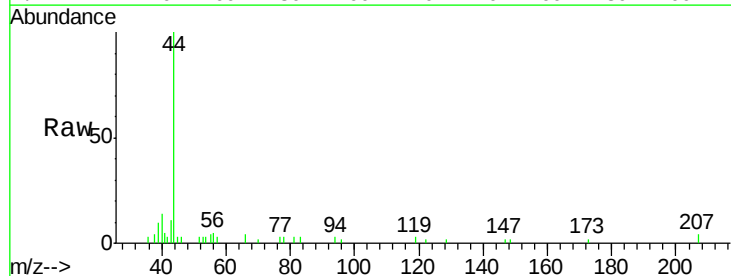
Tot Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 52.1 12.5 18.7#

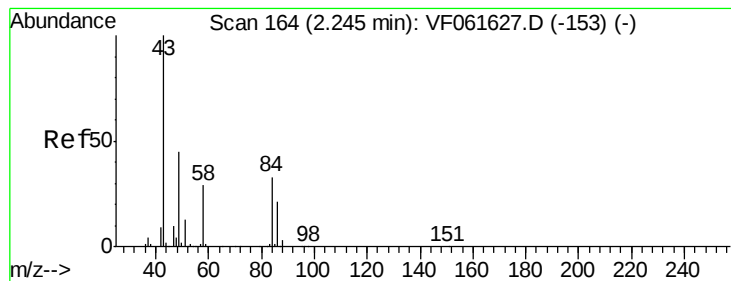


#13

Acrolein
Concen: 3.612 ug/l
RT: 1.95 min Scan# 134
Delta R.T. -0.06 min
Lab File: VF061758.D
Acq: 26 Feb 2019 23:18

Tgt Ion: 56 Resp: 661
Ion Ratio Lower Upper
56 100
55 75.2 55.0 82.6





#16

Acetone

Concen: 27.000 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

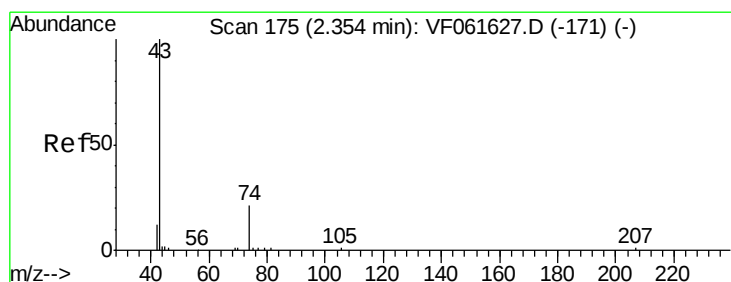
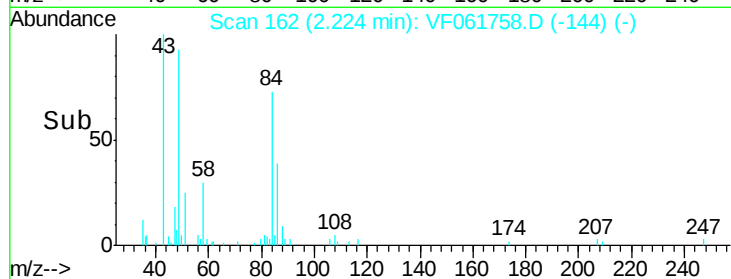
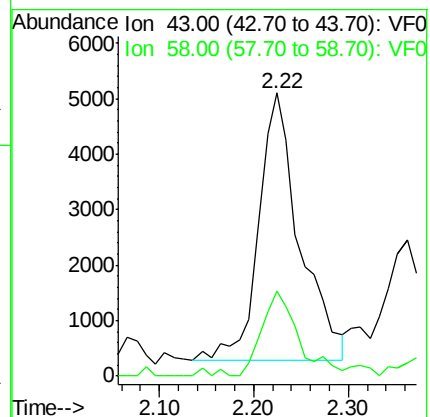
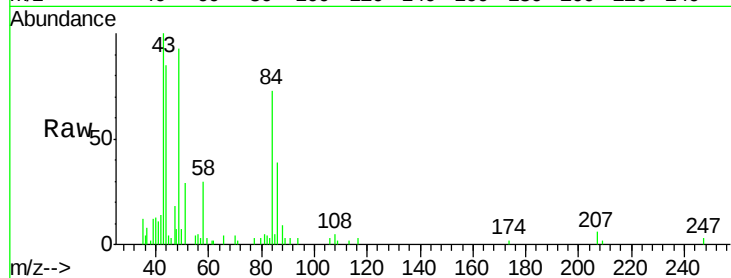
A0C6-2-0.5-1.0

Tot Ion: 43 Resp: 14576

Ion Ratio Lower Upper

43 100

58 30.1 22.9 34.3



#18

Methyl Acetate

Concen: 1.134 ug/l

RT: 2.48 min Scan# 188

Delta R.T. 0.13 min

Lab File: VF061758.D

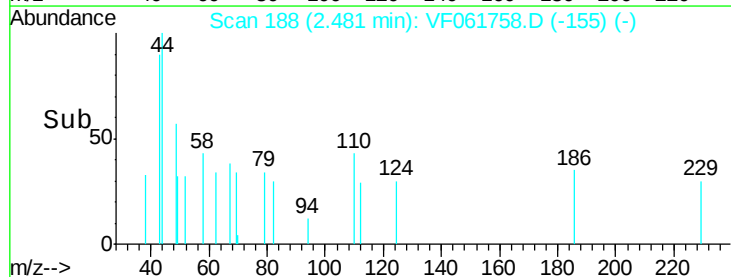
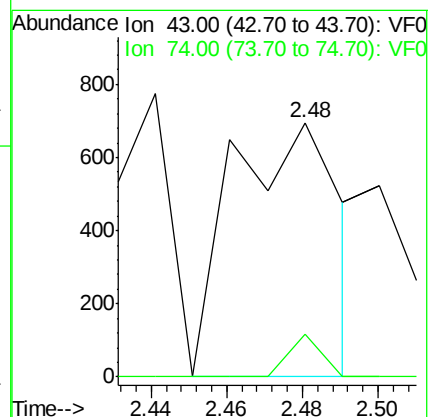
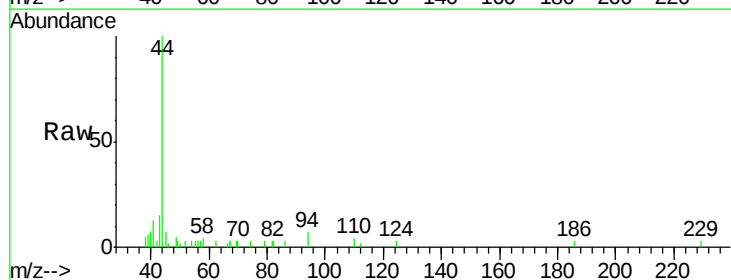
Acq: 26 Feb 2019 23:18

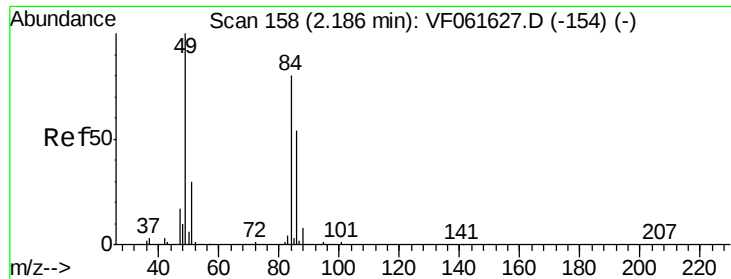
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

74 16.7 14.6 21.8





#20

Methylene Chloride

Concen: 3.862 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.06 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

A0C6-2-0.5-1.0

Tot Ion: 84 Resp: 17900

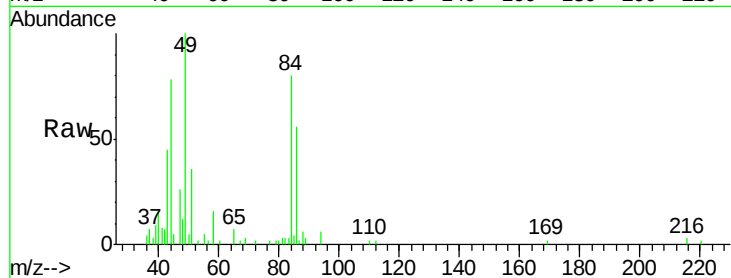
Ion Ratio Lower Upper

84 100

49 124.3 101.8 152.8

51 45.1 31.1 46.7

86 69.9 54.4 81.6

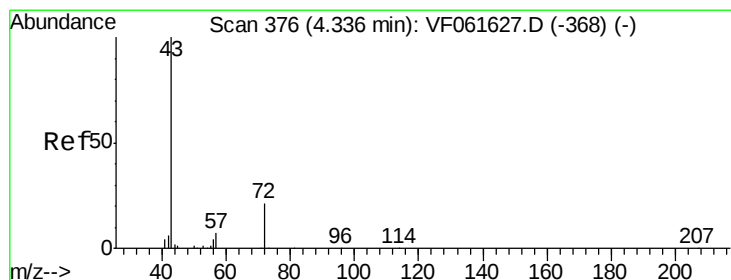
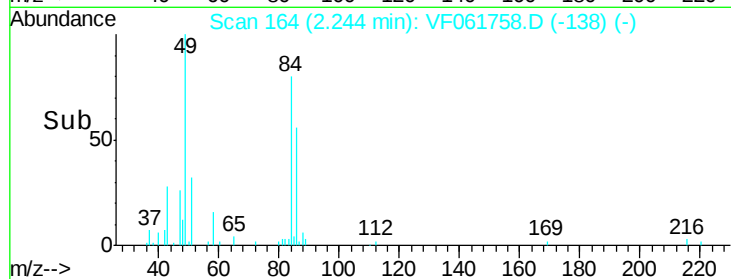
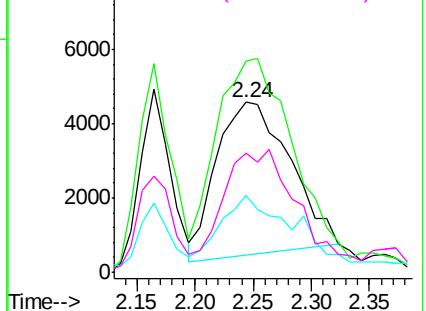


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.269 ug/l

RT: 4.32 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061758.D

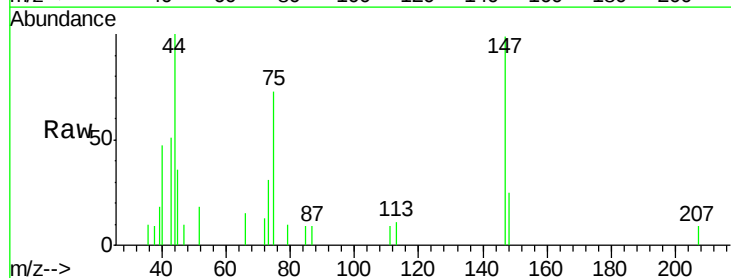
Acq: 26 Feb 2019 23:18

Tgt Ion: 43 Resp: 1497

Ion Ratio Lower Upper

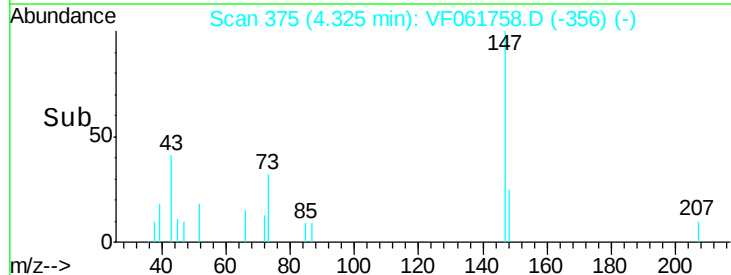
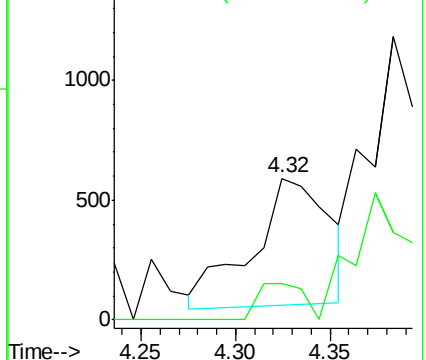
43 100

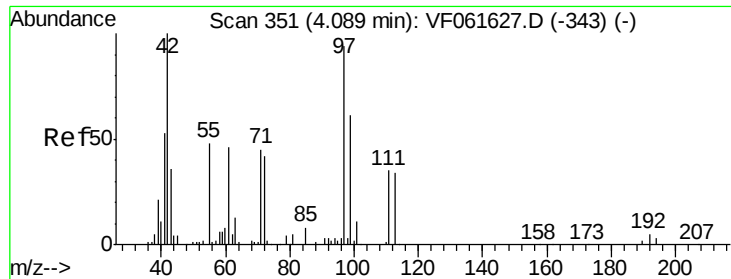
72 25.5 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

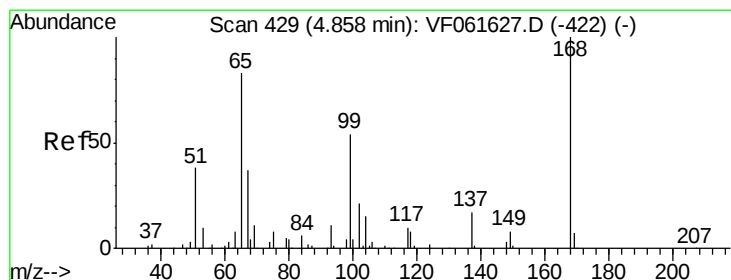
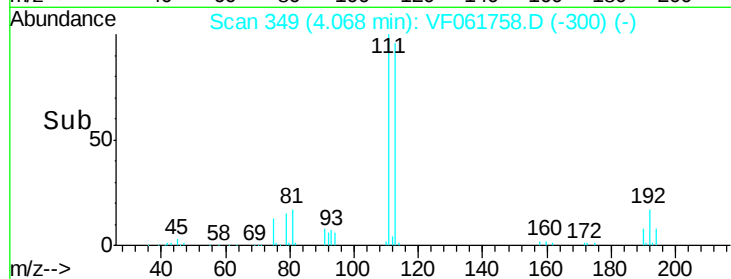
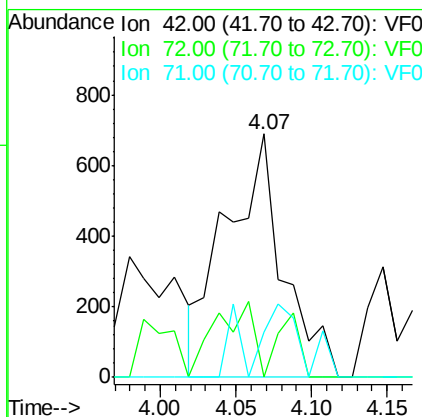
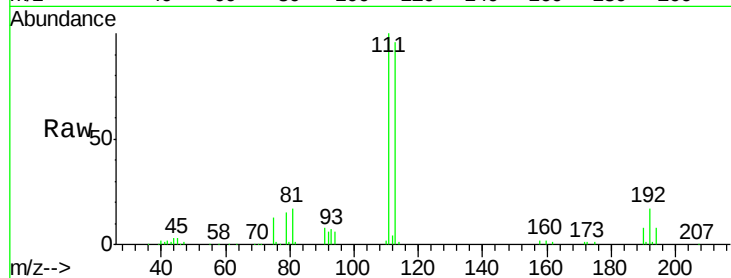




#29
Tetrahydrofuran
Concen: 3.377 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061758.D
Acq: 26 Feb 2019 23:18

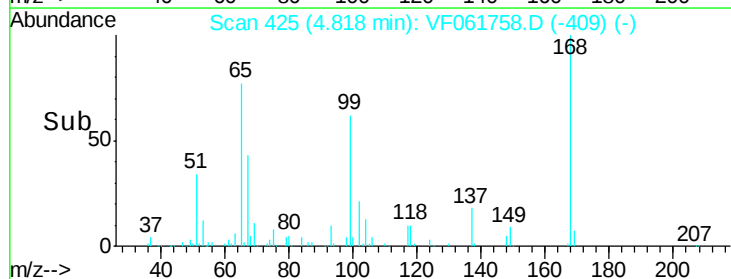
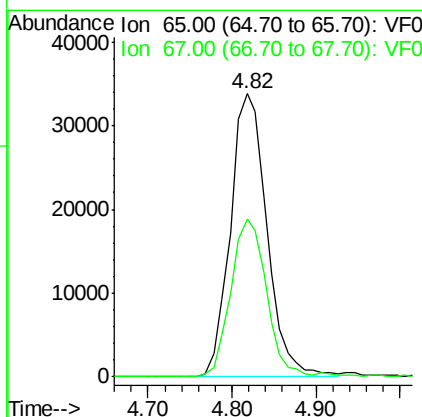
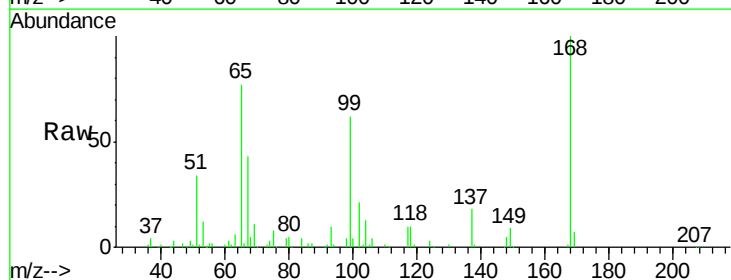
Instrument :
MSVOA_F
ClientSampleId :
A0C6-2-0.5-1.0

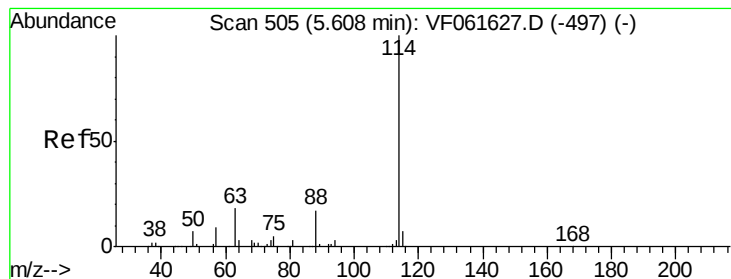
Tot Ion: 42 Resp: 1810
Ion Ratio Lower Upper
42 100
72 9.9 35.2 52.8#
71 20.7 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 40.675 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF061758.D
Acq: 26 Feb 2019 23:18

Tgt Ion: 65 Resp: 102344
Ion Ratio Lower Upper
65 100
67 55.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

A0C6-2-0.5-1.0

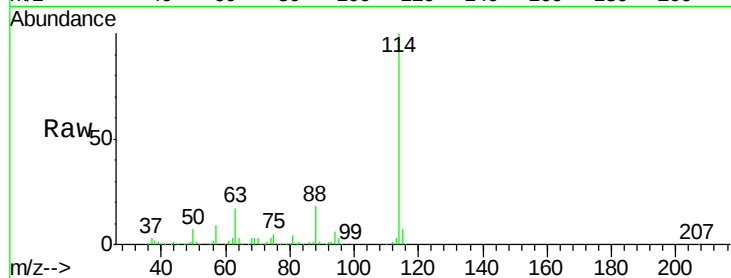
Tot Ion:114 Resp: 526596

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

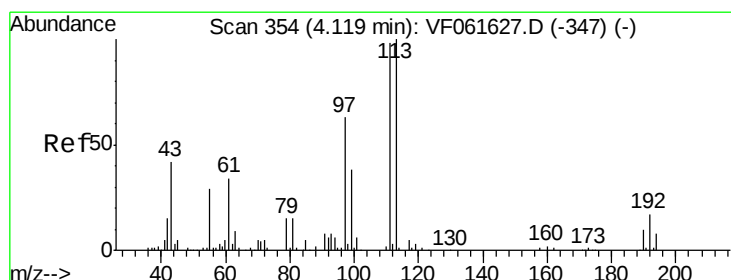
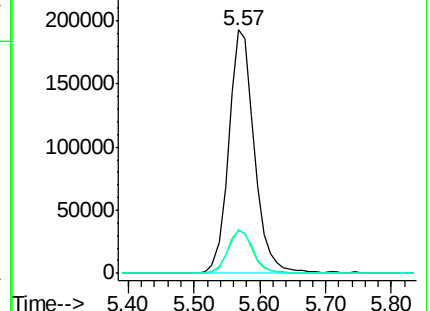
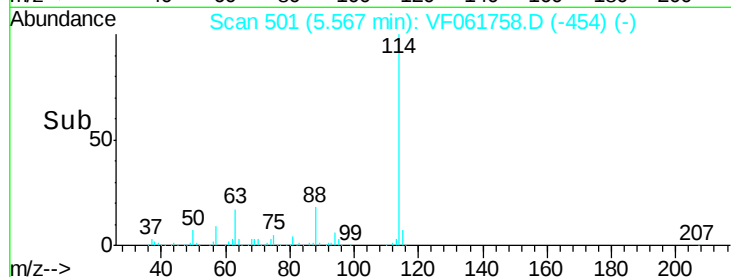
88 18.0 0.0 34.4



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: 40.235 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

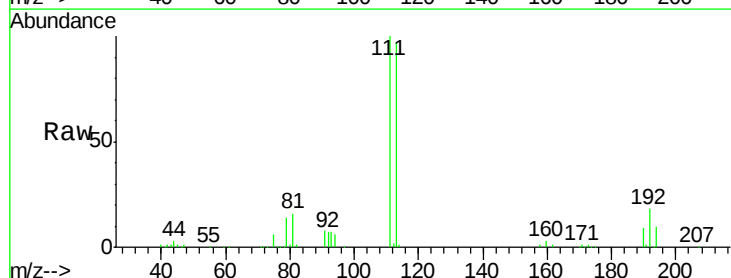
Tgt Ion:113 Resp: 157340

Ion Ratio Lower Upper

113 100

111 103.6 78.8 118.2

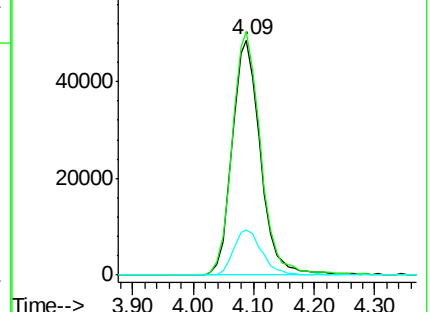
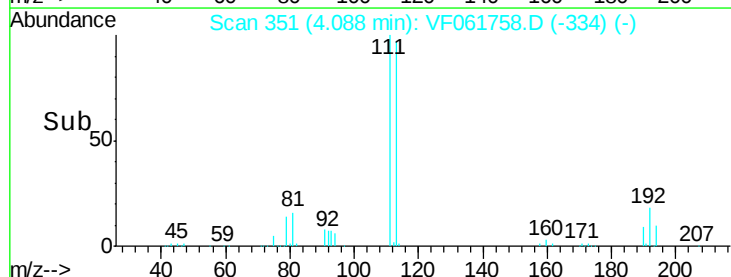
192 19.0 13.4 20.0

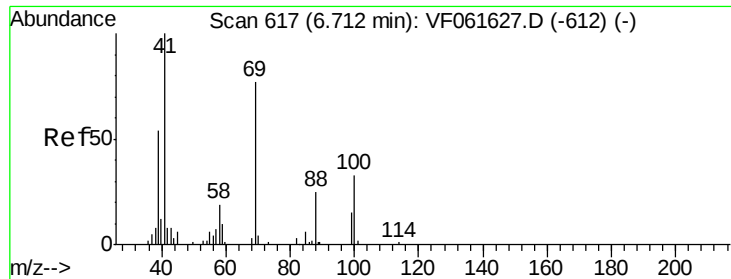


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.698 ug/l

RT: 6.42 min Scan# 588

Delta R.T. -0.29 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

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MSVOA_F

ClientSampleId :

A0C6-2-0.5-1.0

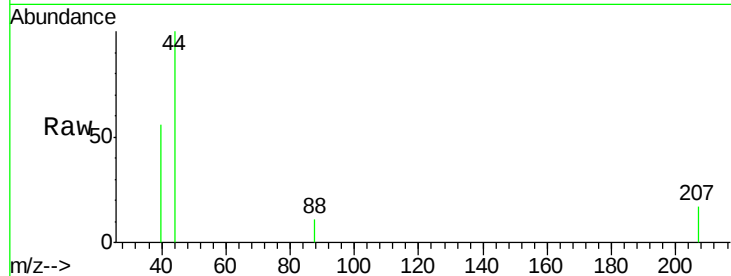
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 32.3 48.5#

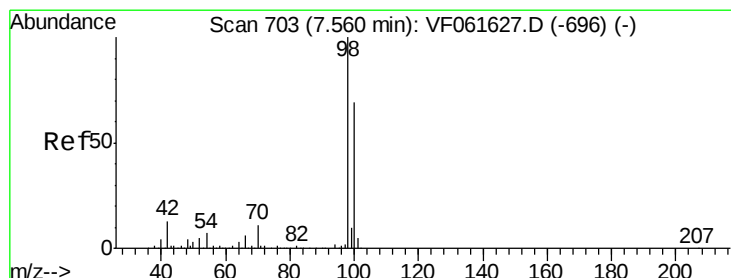
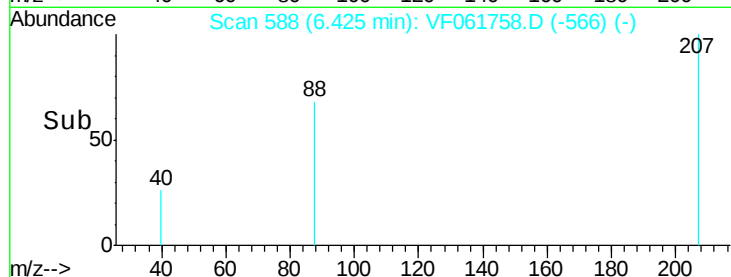
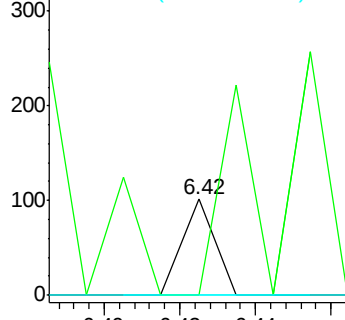
58 0.0 59.4 89.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 34.884 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061758.D

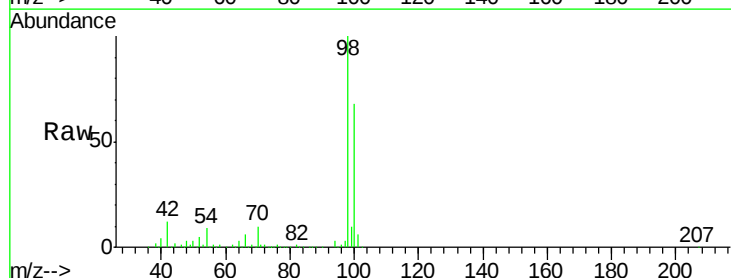
Acq: 26 Feb 2019 23:18

Tgt Ion: 98 Resp: 392153

Ion Ratio Lower Upper

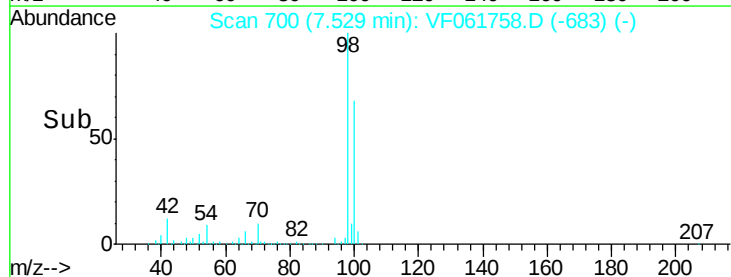
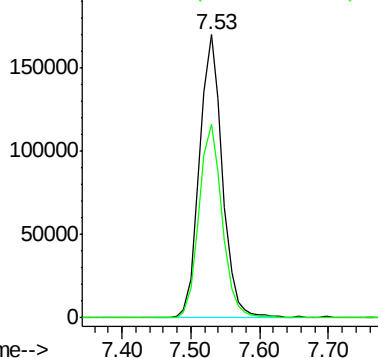
98 100

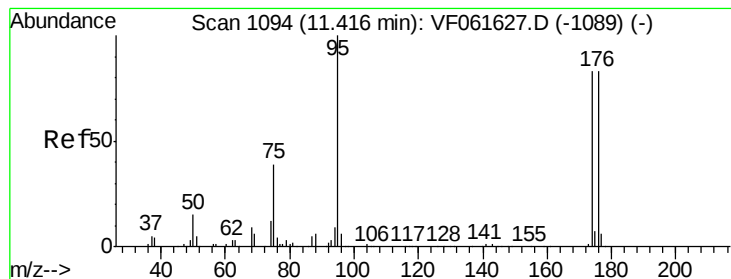
100 68.4 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 38.676 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

A0C6-2-0.5-1.0

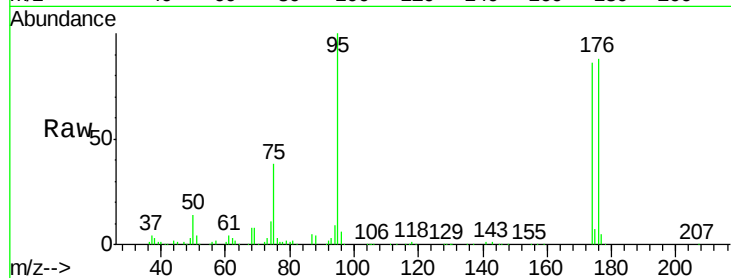
Tot Ion: 95 Resp: 175921

Ion Ratio Lower Upper

95 100

174 86.4 0.0 165.8

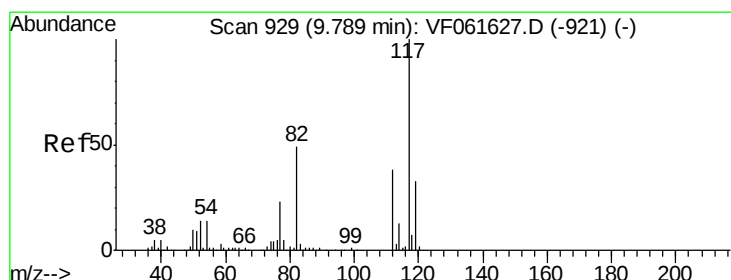
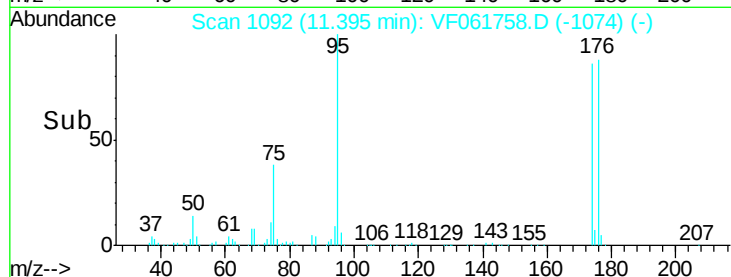
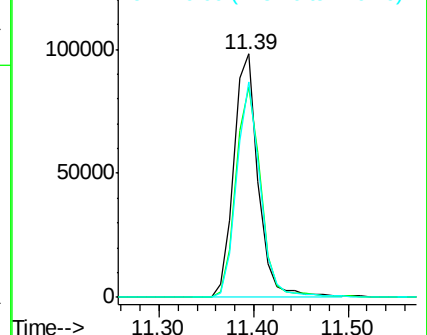
176 88.3 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

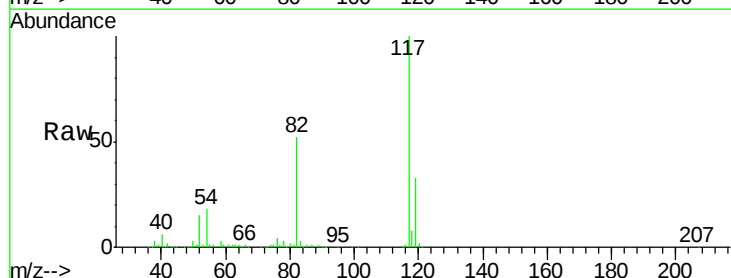
Tgt Ion: 117 Resp: 455616

Ion Ratio Lower Upper

117 100

82 51.7 39.3 58.9

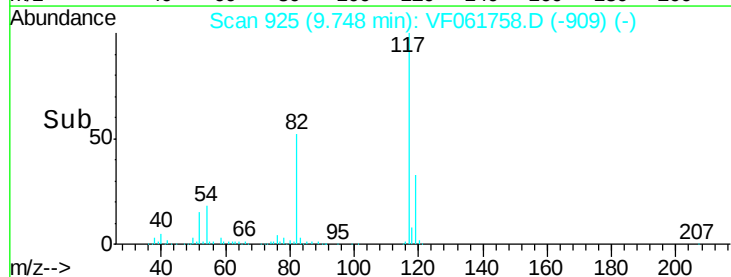
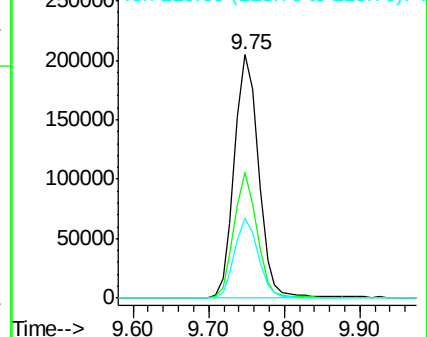
119 32.8 26.6 40.0

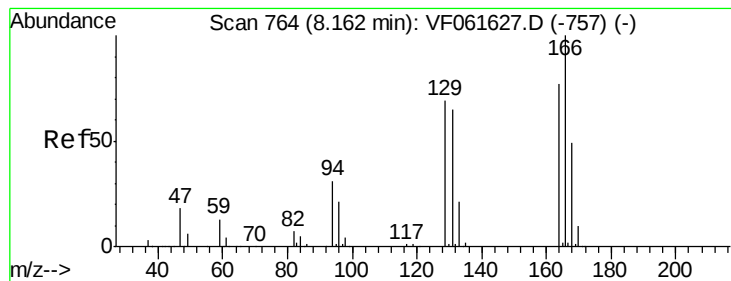


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 1.667 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.03 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

A0C6-2-0.5-1.0

Tot Ion:164 Resp: 6210

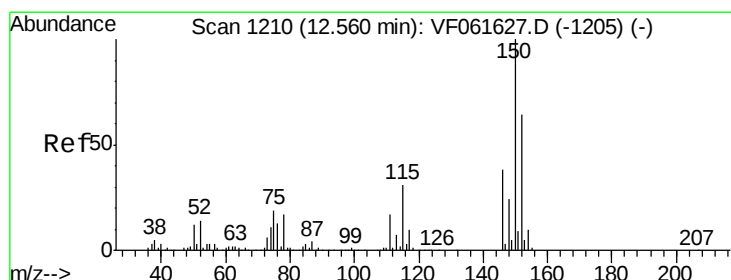
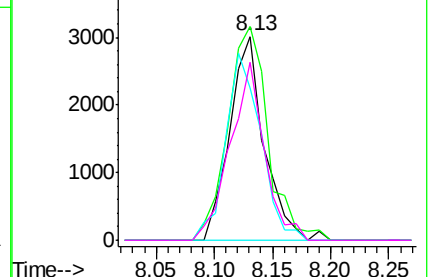
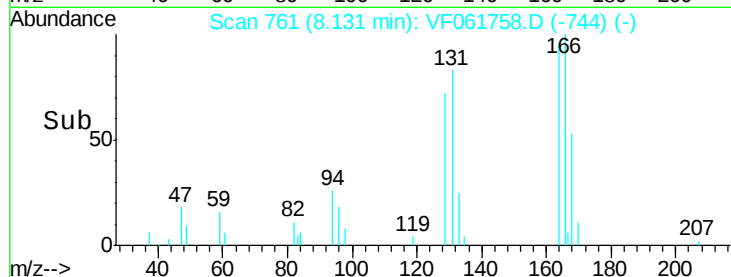
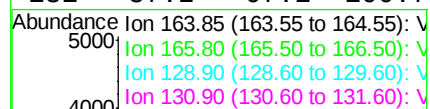
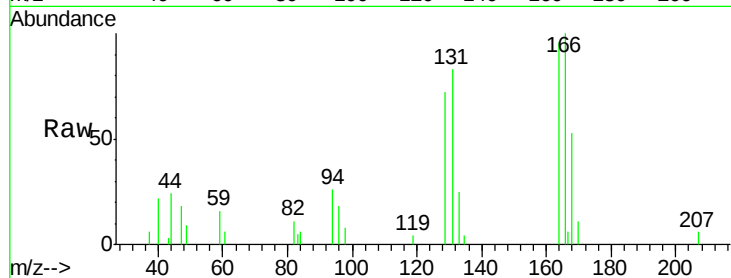
Ion Ratio Lower Upper

164 100

166 104.7 103.9 155.9

129 74.9 71.3 106.9

131 87.2 67.1 100.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF061758.D

Acq: 26 Feb 2019 23:18

Tgt Ion:152 Resp: 252795

Ion Ratio Lower Upper

152 100

115 55.0 24.3 72.8

150 152.4 0.0 312.0

