

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061756.D
 Acq On : 26 Feb 2019 22:20
 Operator : VA/AP
 Sample : K1628-02
 Misc : 7.07µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C5-2-0.5-1.0

Quant Time: Feb 27 04:10:04 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	339714	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	512745	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	441580	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	257705	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	106178	42.62	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	85.24%	
35) Dibromofluoromethane	4.09	113	171345	45.00	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	90.00%	
50) Toluene-d8	7.53	98	435519	39.79	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	79.58%	
62) 4-Bromofluorobenzene	11.40	95	189299	42.74	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	85.48%	

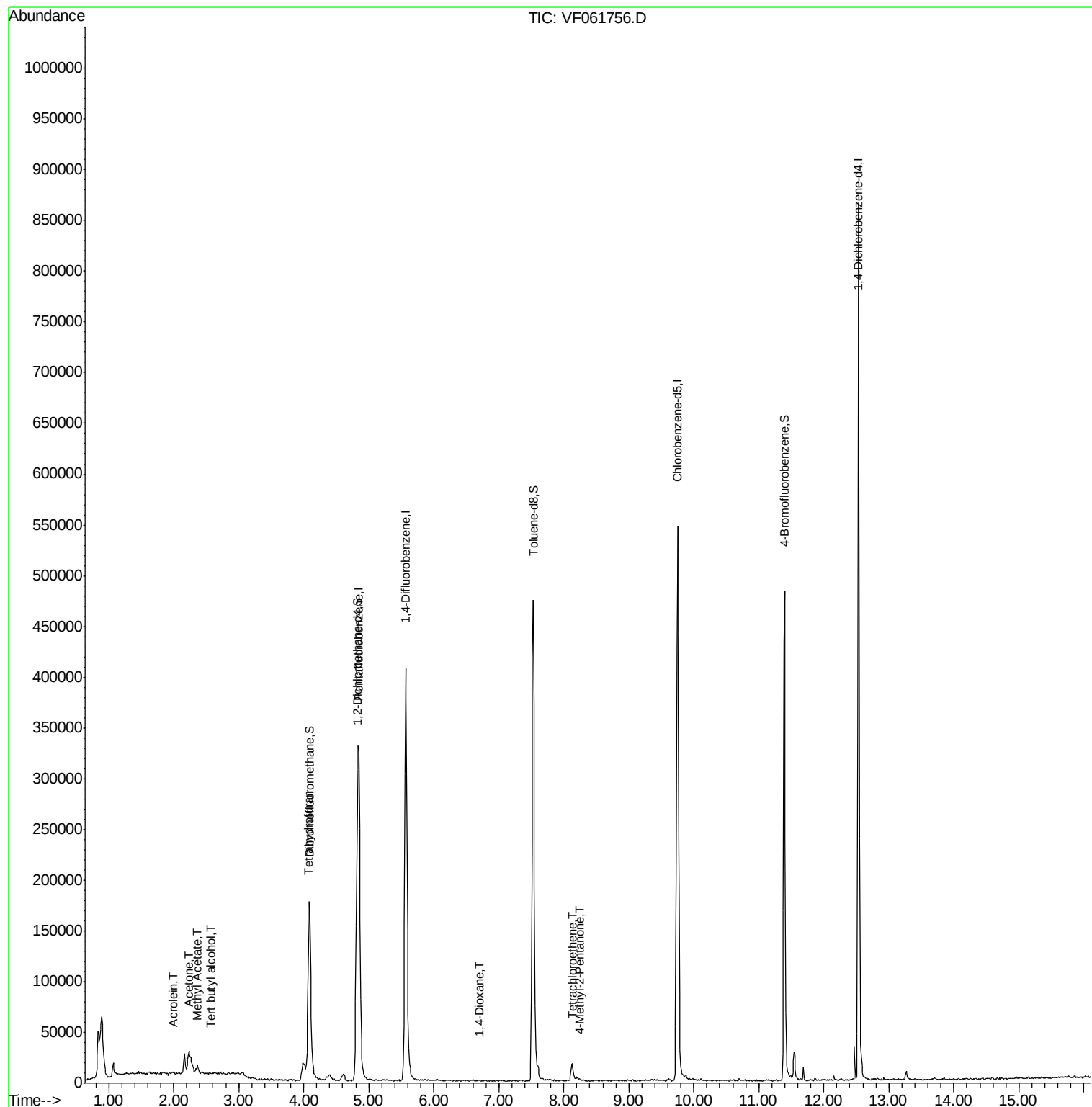
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	212	1.470	ug/l #	1
13) Acrolein	1.99	56	702	3.874	ug/l #	66
16) Acetone	2.23	43	10522	19.686	ug/l	96
18) Methyl Acetate	2.36	43	3236	2.688	ug/l #	59
29) Tetrahydrofuran	4.07	42	1936	3.648	ug/l #	61
49) 1,4-Dioxane	6.71	88	78	4.937	ug/l #	20
51) 4-Methyl-2-Pentanone	8.24	43	2096	1.050	ug/l #	83
64) Tetrachloroethene	8.13	164	6203	1.719	ug/l	85

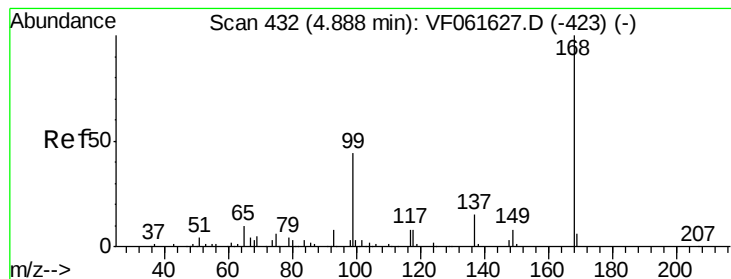
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

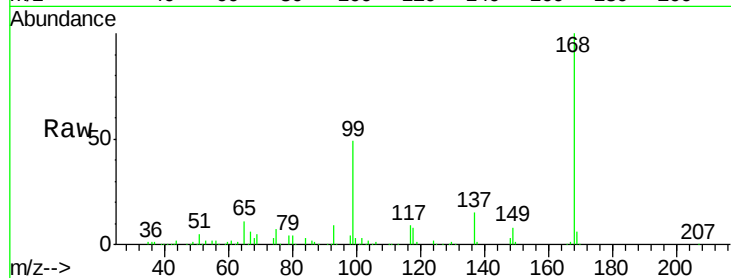
A0C5-2-0.5-1.0

Tot Ion:168 Resp: 339714

Ion Ratio Lower Upper

168 100

99 49.2 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

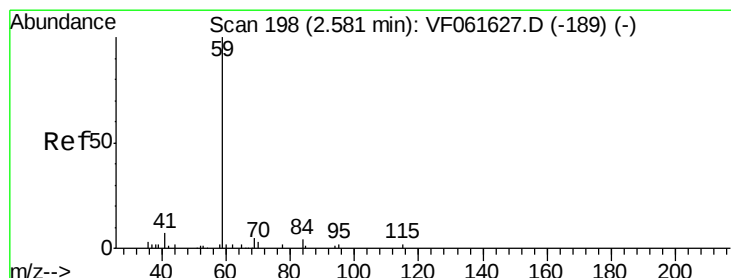
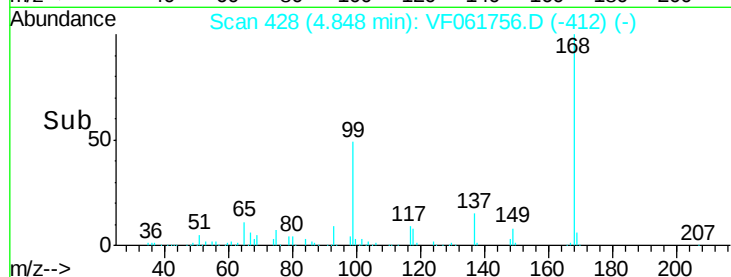
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.470 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061756.D

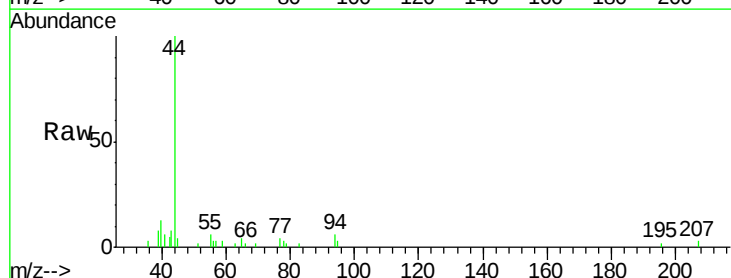
Acq: 26 Feb 2019 22:20

Tgt Ion: 59 Resp: 212

Ion Ratio Lower Upper

59 100

57 104.3 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

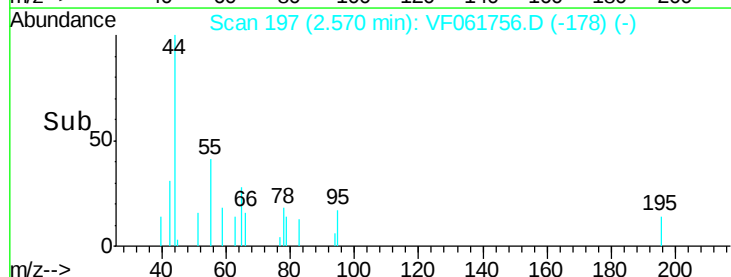
300

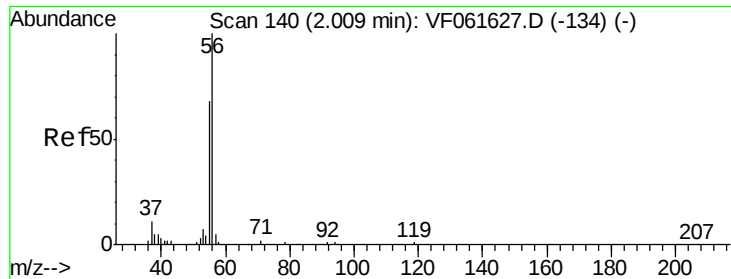
200

100

0

Time-->





#13

Acrolein

Concen: 3.874 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

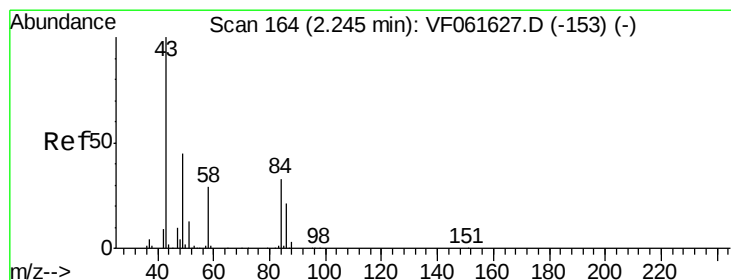
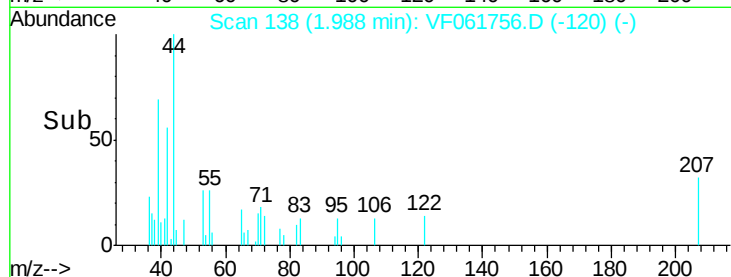
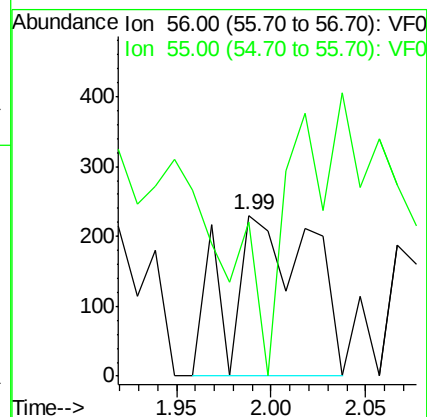
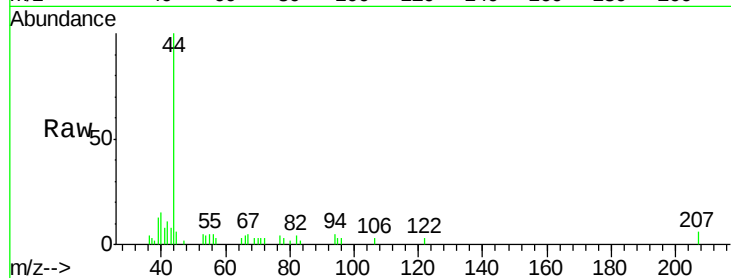
A0C5-2-0.5-1.0

Tot Ion: 56 Resp: 702

Ion Ratio Lower Upper

56 100

55 96.1 55.0 82.6#



#16

Acetone

Concen: 19.686 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061756.D

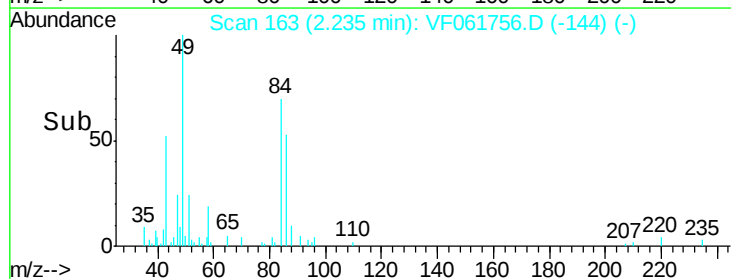
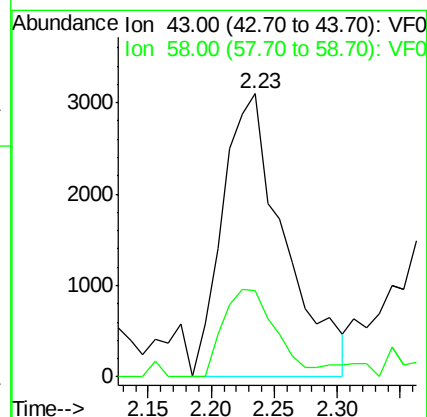
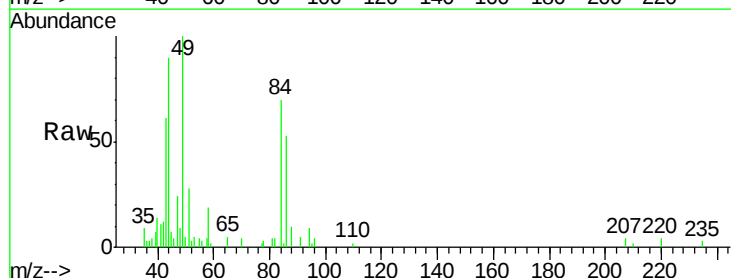
Acq: 26 Feb 2019 22:20

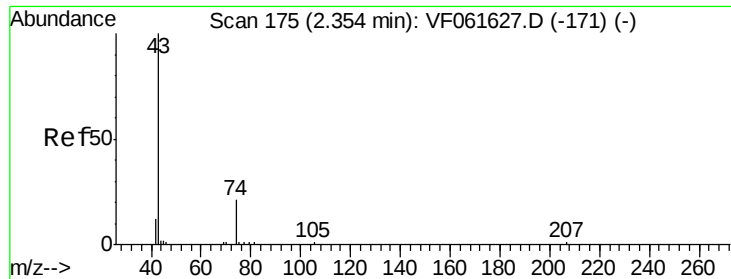
Tgt Ion: 43 Resp: 10522

Ion Ratio Lower Upper

43 100

58 30.6 22.9 34.3

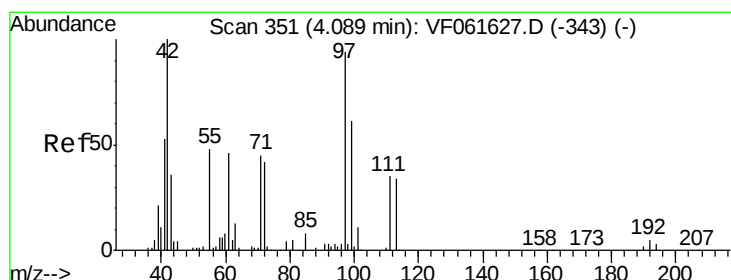
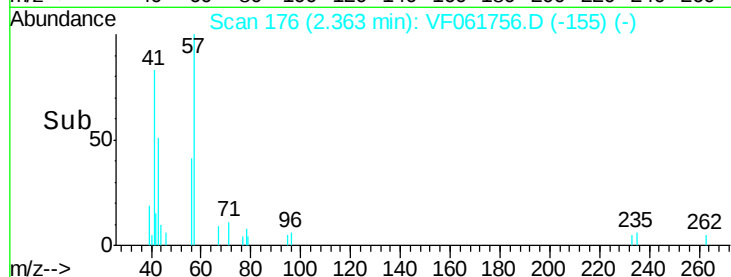
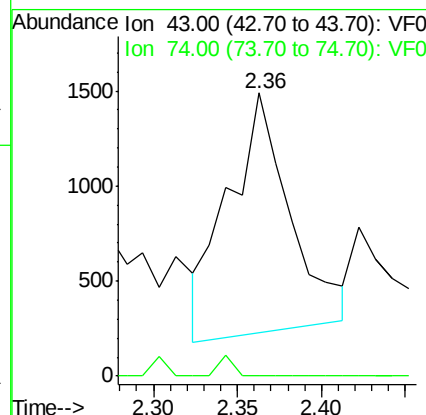
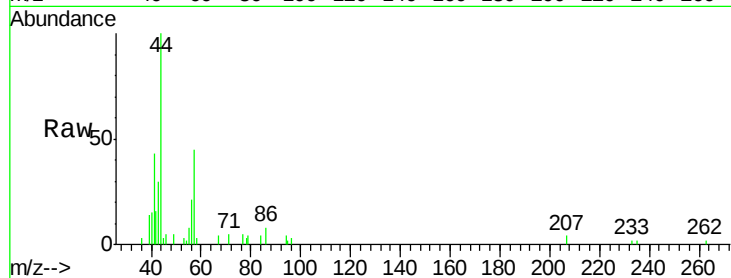




#18
Methyl Acetate
Concen: 2.688 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061756.D
Acq: 26 Feb 2019 22:20

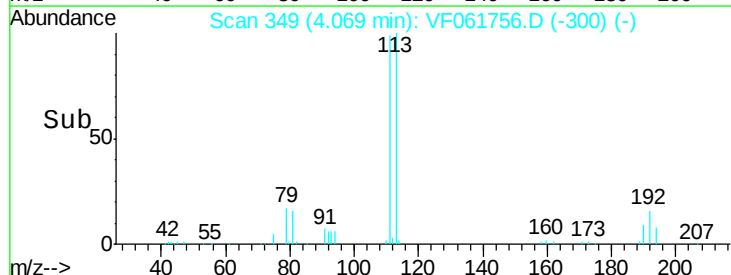
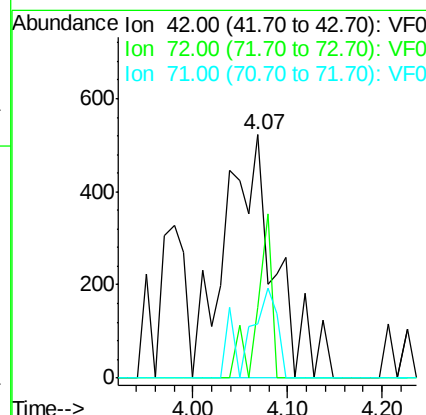
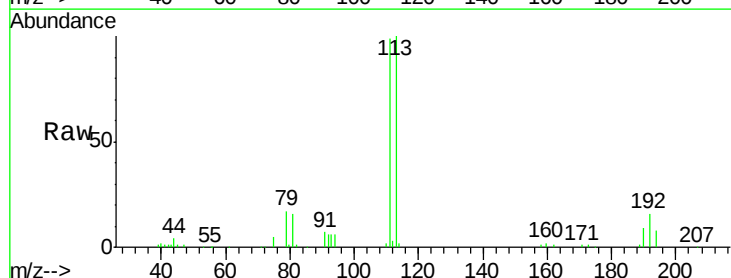
Instrument :
MSVOA_F
ClientSampleId :
A0C5-2-0.5-1.0

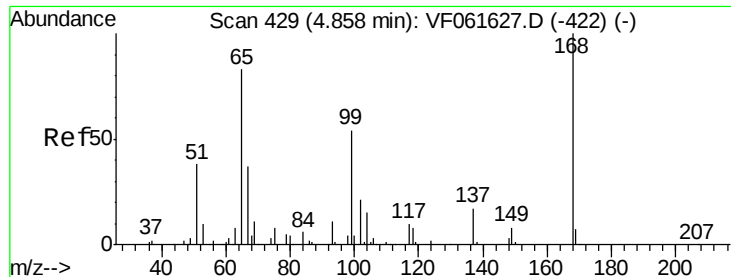
Tot Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#29
Tetrahydrofuran
Concen: 3.648 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061756.D
Acq: 26 Feb 2019 22:20

Tgt Ion: 42 Resp: 1936
Ion Ratio Lower Upper
42 100
72 18.9 35.2 52.8#
71 17.1 32.9 49.3#

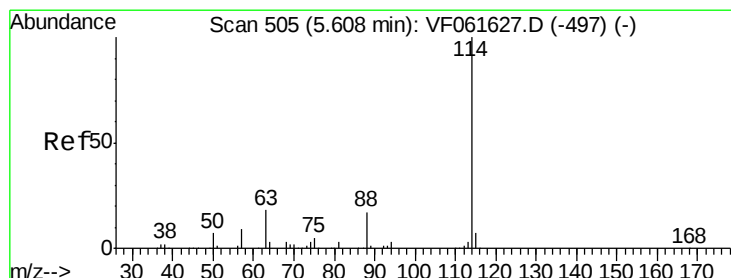
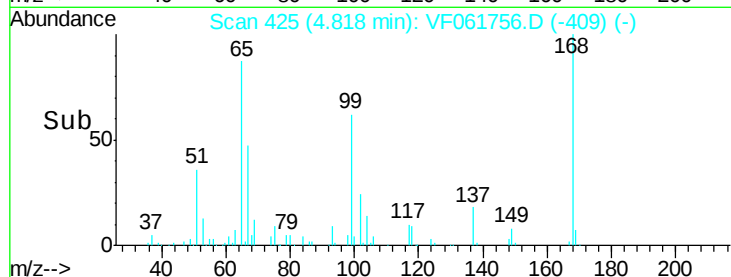
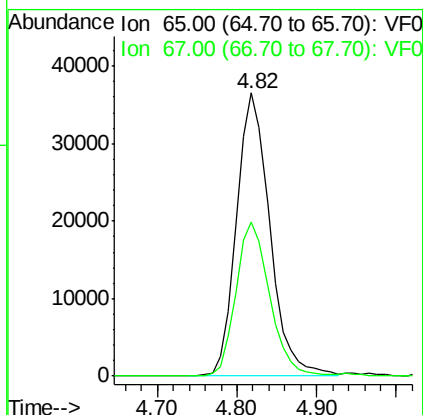
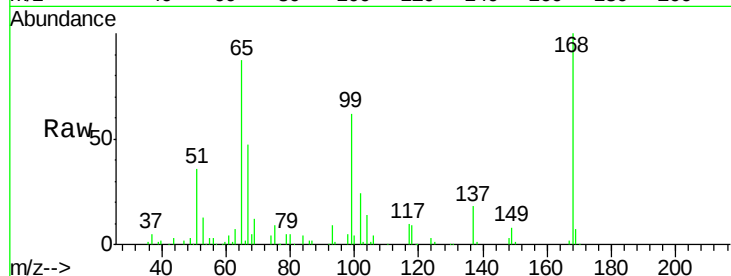




#33
 1,2-Dichloroethane-d4
 Concen: 42.622 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061756.D
 Acq: 26 Feb 2019 22:20

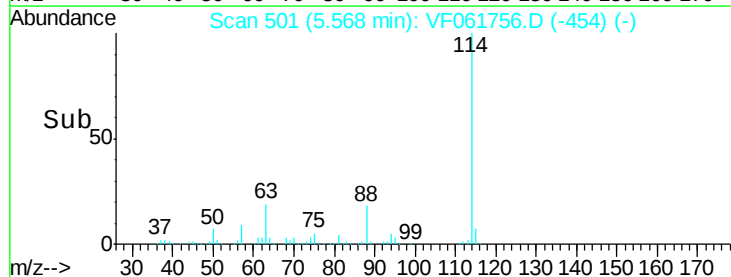
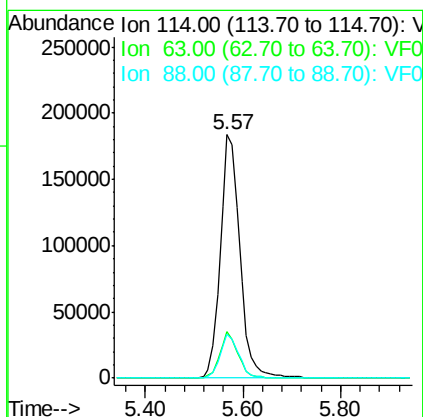
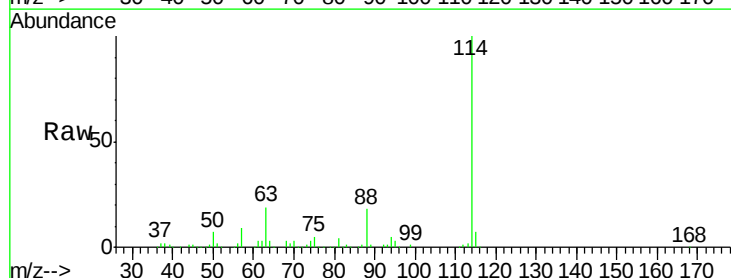
Instrument :
 MSVOA_F
 ClientSampleId :
 A0C5-2-0.5-1.0

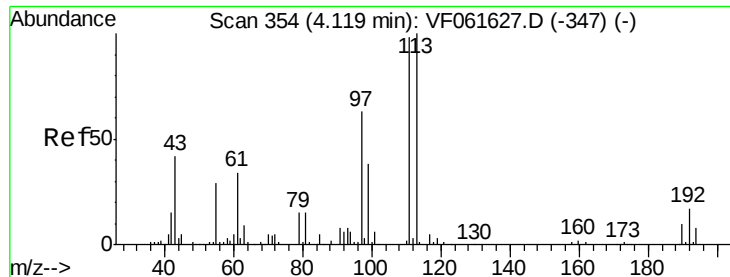
Tot Ion: 65 Resp: 106178
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061756.D
 Acq: 26 Feb 2019 22:20

Tgt Ion: 114 Resp: 512745
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.6
 88 18.1 0.0 34.4





#35

Dibromofluoromethane

Concen: 45.000 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

A0C5-2-0.5-1.0

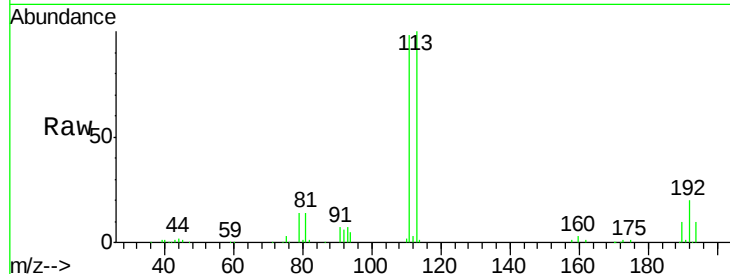
Tot Ion:113 Resp: 171345

Ion Ratio Lower Upper

113 100

111 97.8 78.8 118.2

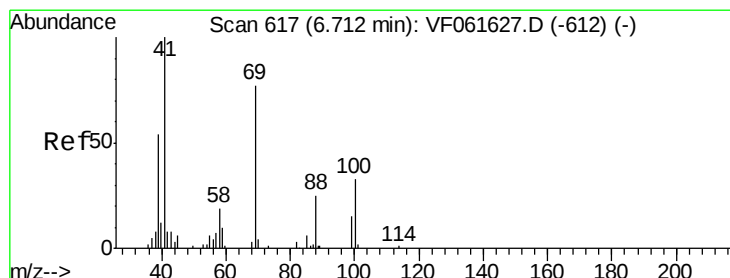
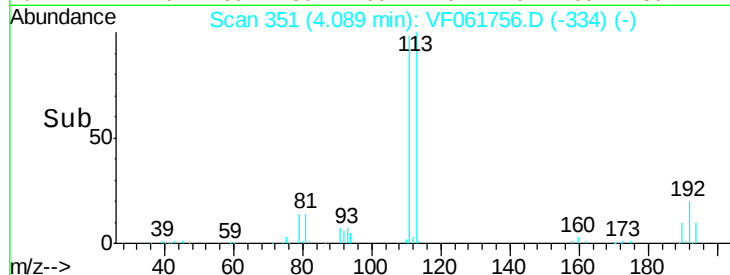
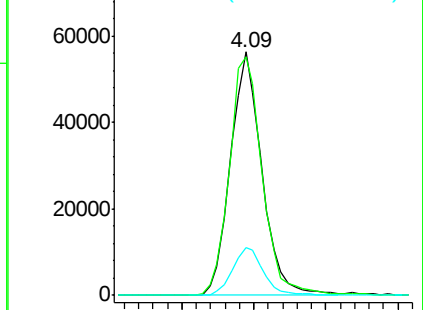
192 20.1 13.4 20.0#



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: 4.937 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

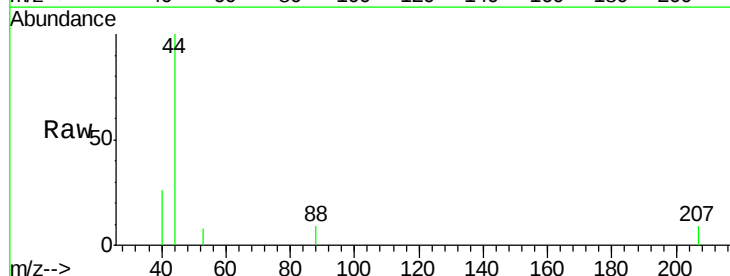
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 32.3 48.5#

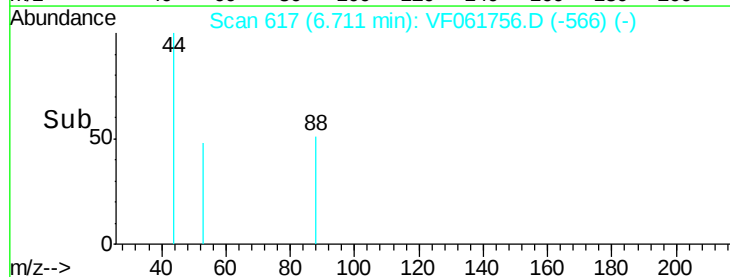
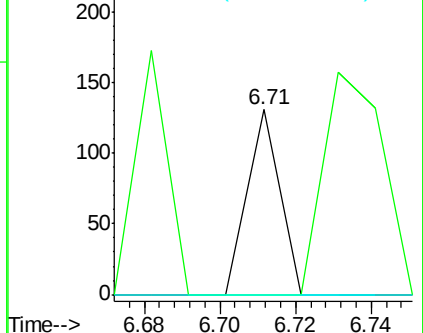
58 0.0 59.4 89.2#

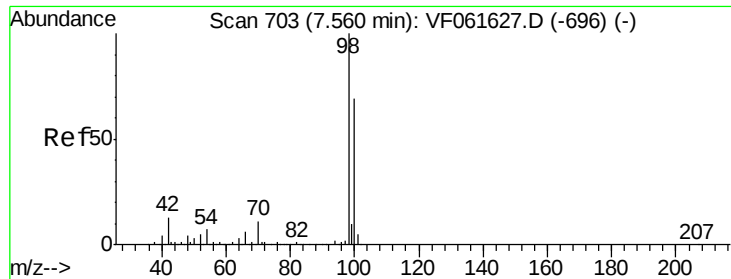


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 39.788 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

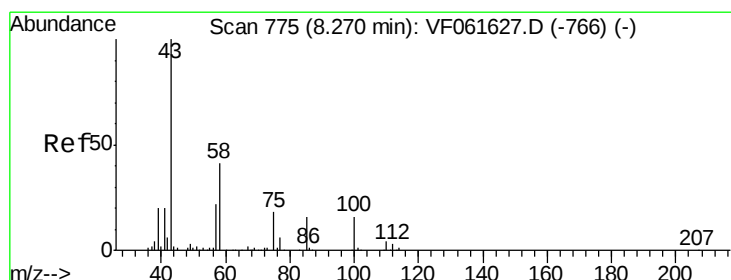
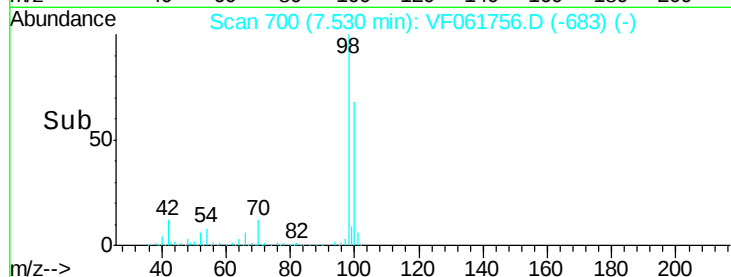
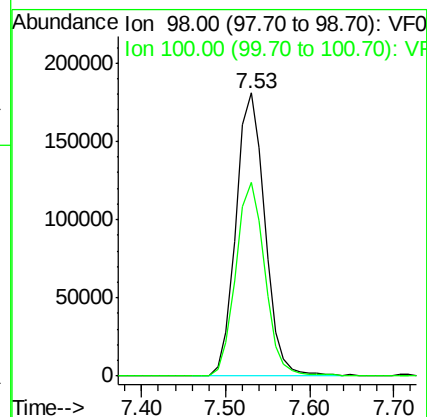
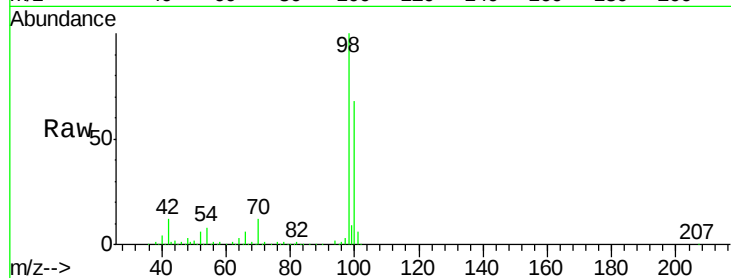
A0C5-2-0.5-1.0

Tot Ion: 98 Resp: 435519

Ion Ratio Lower Upper

98 100

100 68.3 55.4 83.2



#51

4-Methyl-2-Pentanone

Concen: 1.050 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061756.D

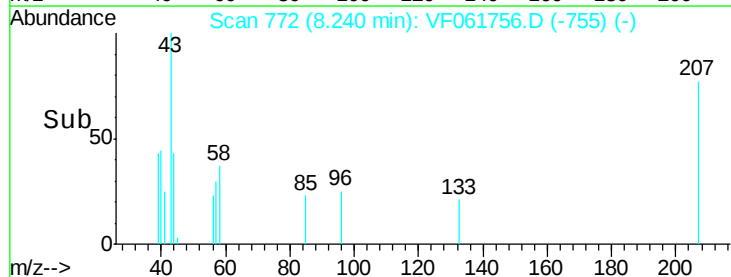
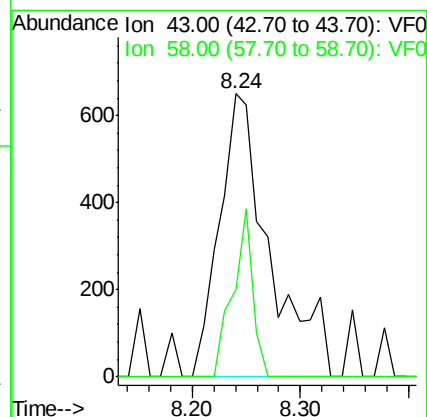
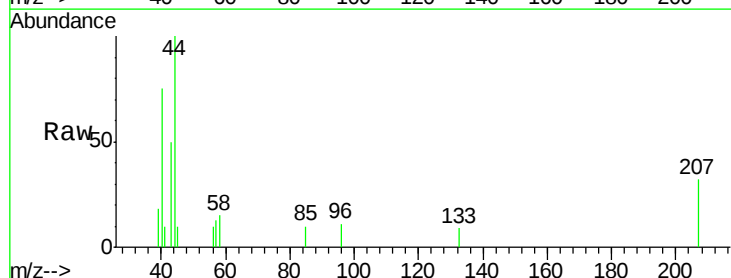
Acq: 26 Feb 2019 22:20

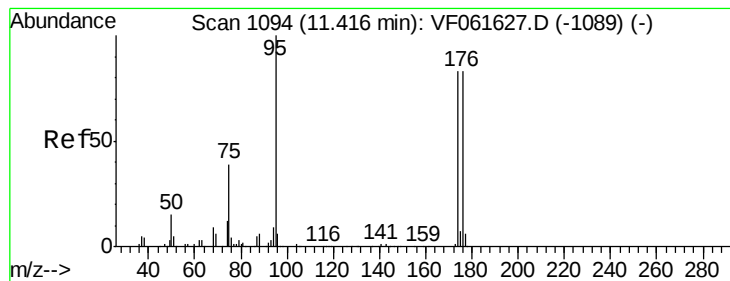
Tgt Ion: 43 Resp: 2096

Ion Ratio Lower Upper

43 100

58 30.8 33.1 49.7#





#62

4-Bromofluorobenzene

Concen: 42.741 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

A0C5-2-0.5-1.0

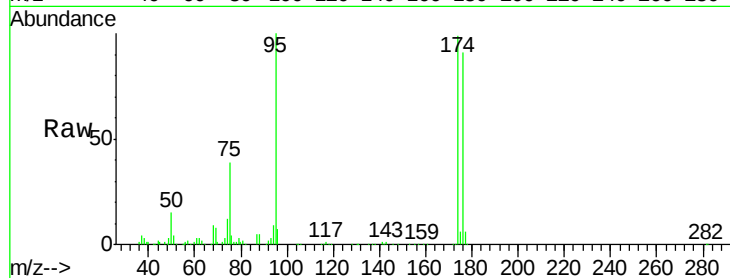
Tot Ion: 95 Resp: 189299

Ion Ratio Lower Upper

95 100

174 99.0 0.0 165.8

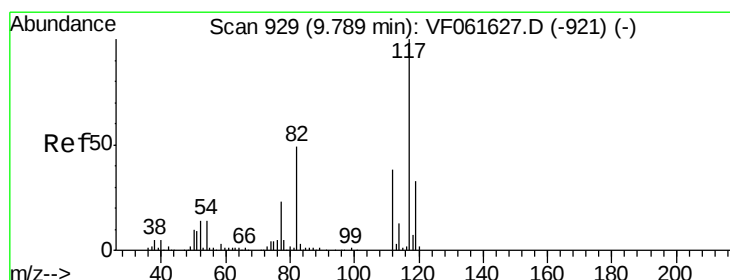
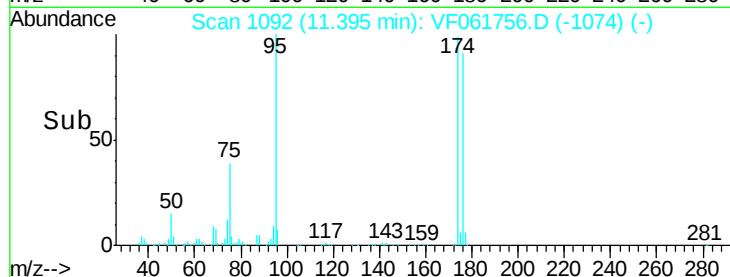
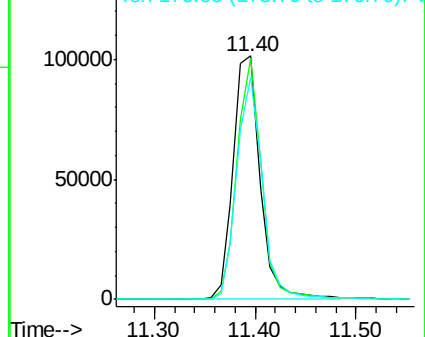
176 91.2 0.0 167.0



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: VF061756.D

Acq: 26 Feb 2019 22:20

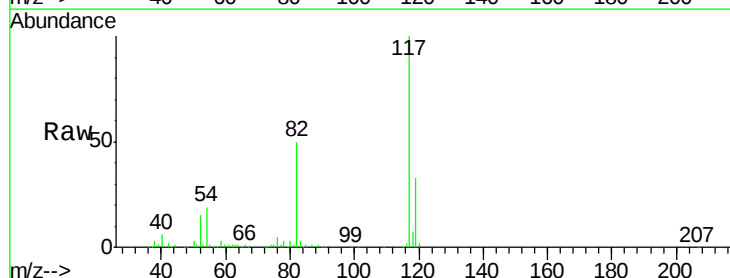
Tgt Ion: 117 Resp: 441580

Ion Ratio Lower Upper

117 100

82 50.4 39.3 58.9

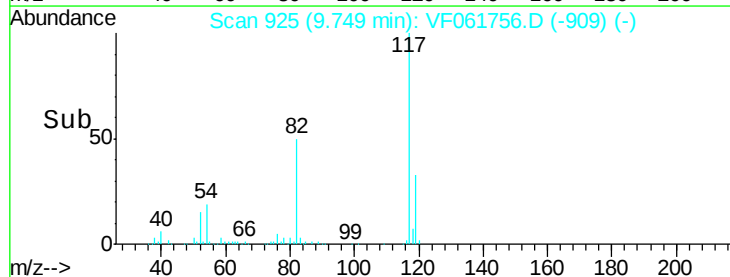
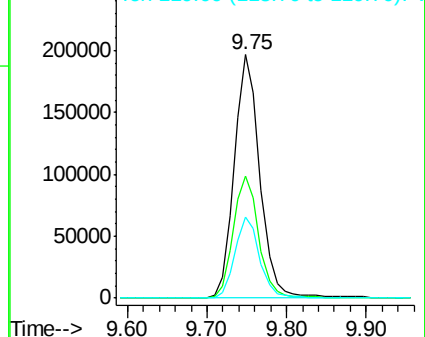
119 33.1 26.6 40.0

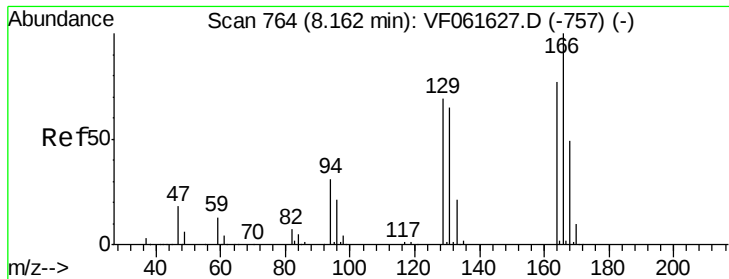


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 1.719 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.03 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

A0C5-2-0.5-1.0

Tot Ion:164 Resp: 6203

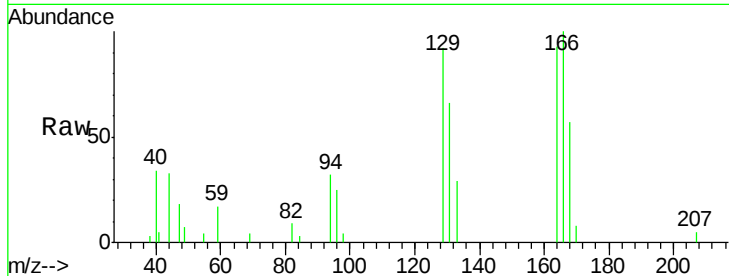
Ion Ratio Lower Upper

164 100

166 107.6 103.9 155.9

129 99.5 71.3 106.9

131 71.2 67.1 100.7

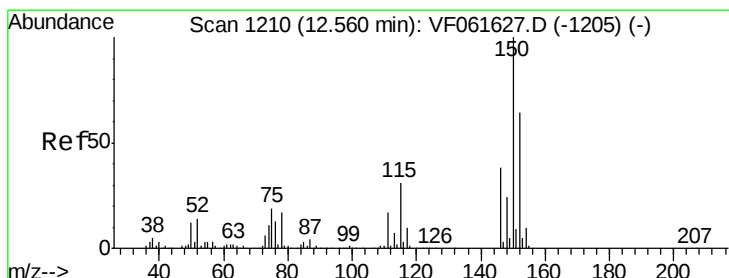
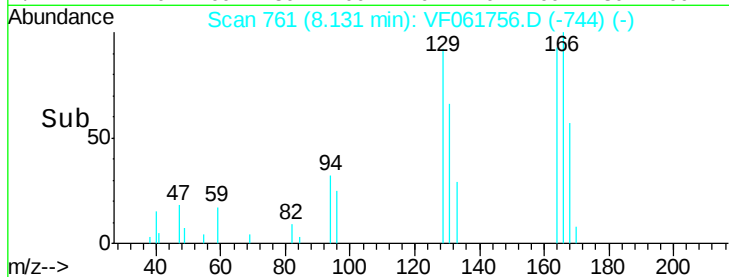
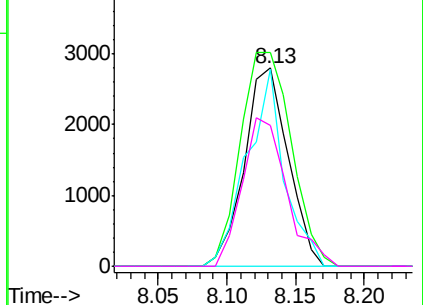


Abundance Ion 163.85 (163.55 to 164.55): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

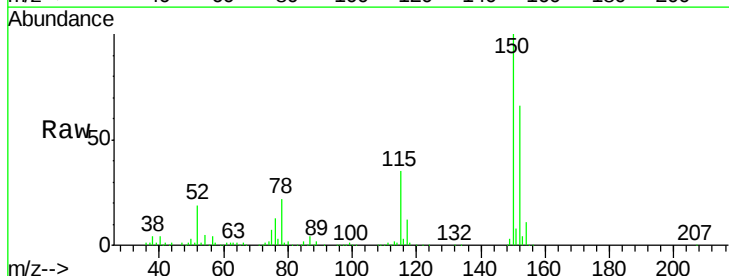
Tgt Ion:152 Resp: 257705

Ion Ratio Lower Upper

152 100

115 53.5 24.3 72.8

150 151.7 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

