

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061715.D
 Acq On : 22 Feb 2019 18:26
 Operator : VA/AP
 Sample : K1597-01RE
 Misc : 6.53g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-25RE

Quant Time: Feb 23 01:46:29 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

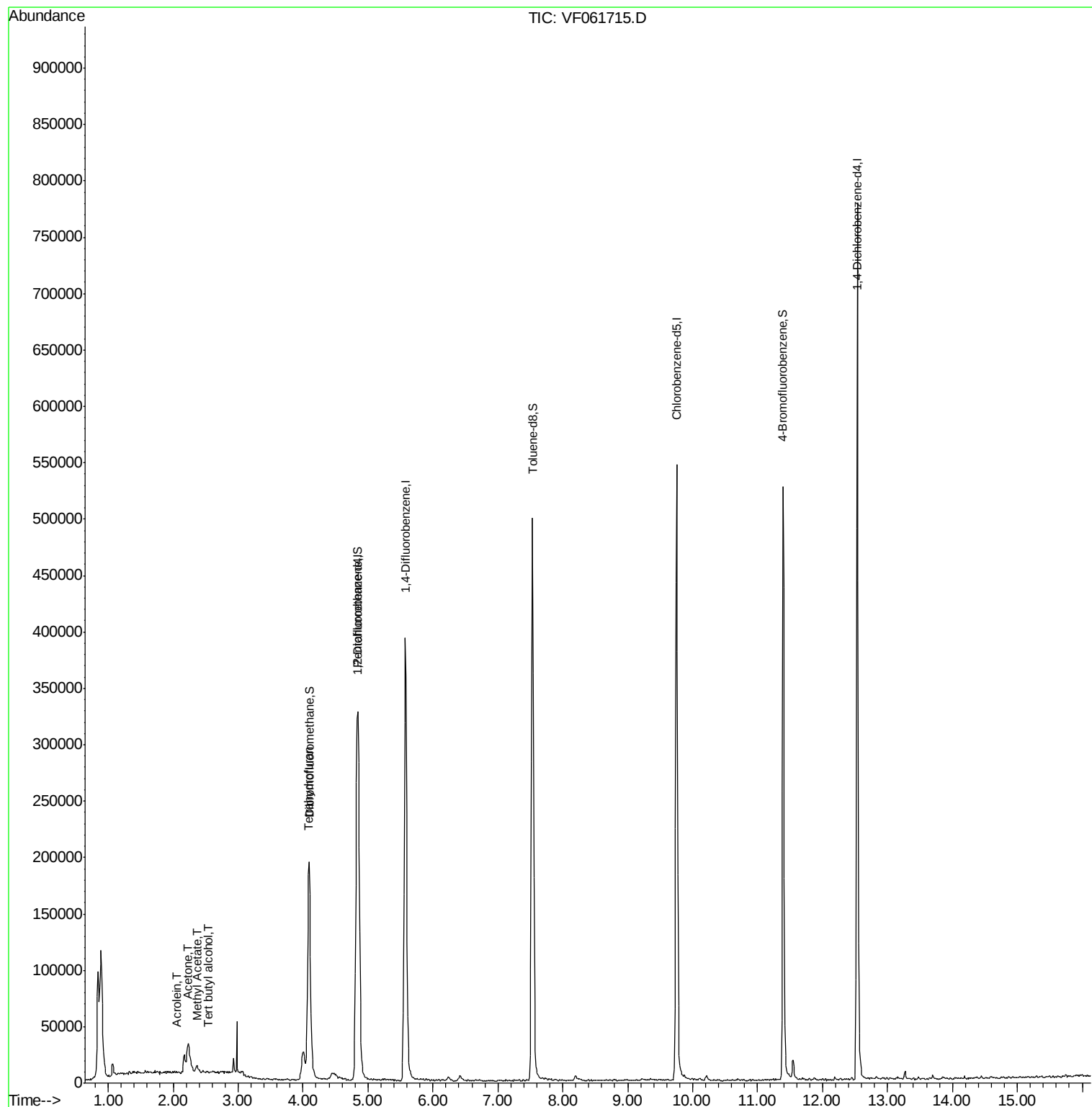
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	311589	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	502211	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	427564	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	222306	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	124040	54.29	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.58%	
35) Dibromofluoromethane	4.09	113	187978	50.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.80%	
50) Toluene-d8	7.54	98	466119	43.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.96%	
62) 4-Bromofluorobenzene	11.39	95	201730	46.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.00%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.55	59	321	2.427	ug/l #	46
13) Acrolein	2.05	56	232	1.396	ug/l	86
16) Acetone	2.22	43	17617	35.935	ug/l	89
18) Methyl Acetate	2.37	43	3195	2.893	ug/l #	59
29) Tetrahydrofuran	4.08	42	3108	6.386	ug/l #	33

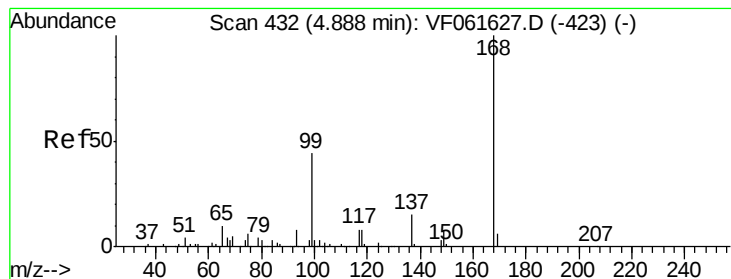
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061715.D

Acq: 22 Feb 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

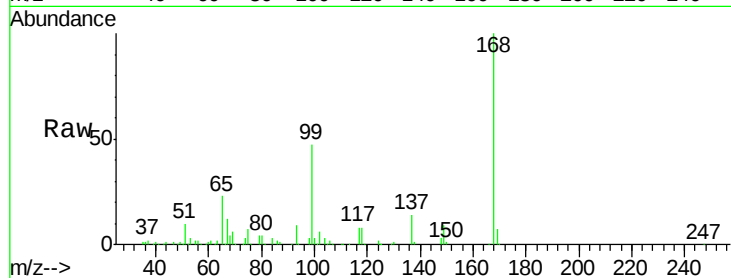
TP-25RE

Tot Ion:168 Resp: 311589

Ion Ratio Lower Upper

168 100

99 47.4 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

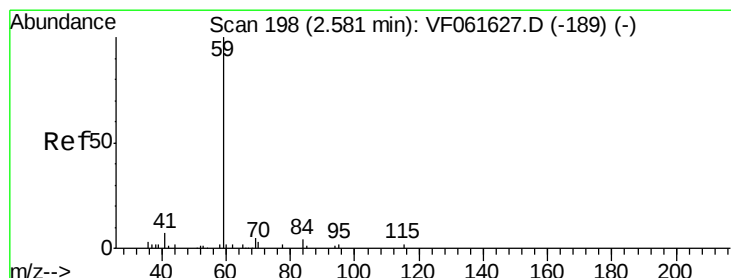
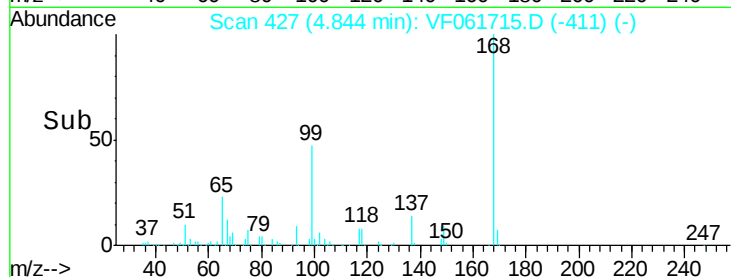
20000

0

4.80

5.00

Time-->



#11

Tert butyl alcohol

Concen: 2.427 ug/l

RT: 2.55 min Scan# 194

Delta R.T. -0.03 min

Lab File: VF061715.D

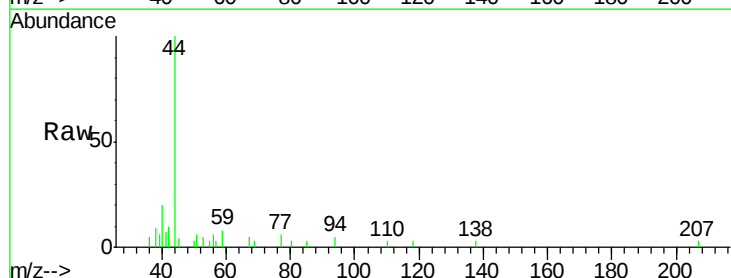
Acq: 22 Feb 2019 18:26

Tgt Ion: 59 Resp: 321

Ion Ratio Lower Upper

59 100

57 38.3 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

300

200

100

0

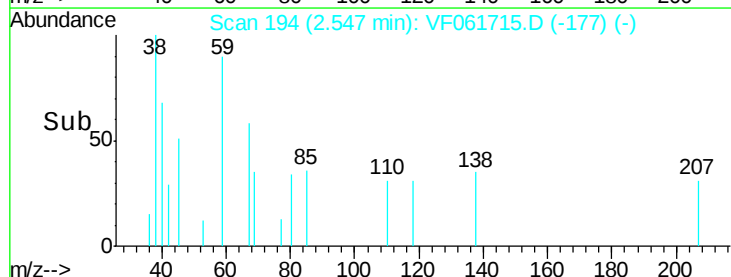
2.52

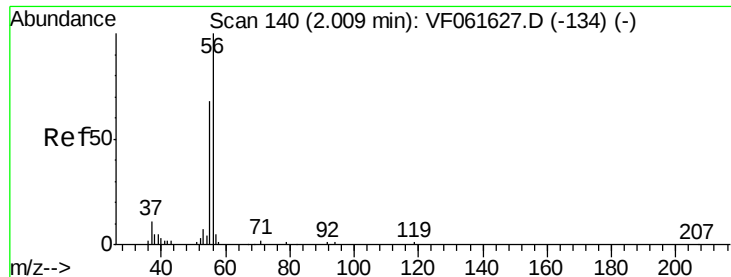
2.54

2.56

2.58

Time-->





#13

Acrolein

Concen: 1.396 ug/l

RT: 2.05 min Scan# 144

Delta R.T. 0.04 min

Lab File: VF061715.D

Acq: 22 Feb 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

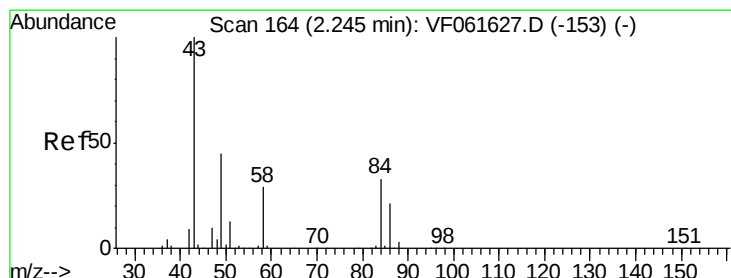
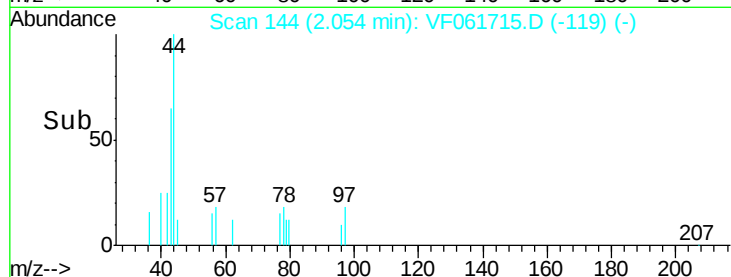
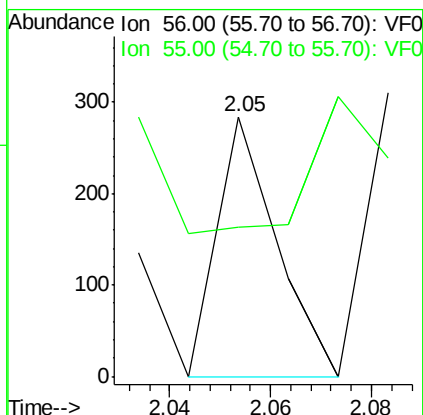
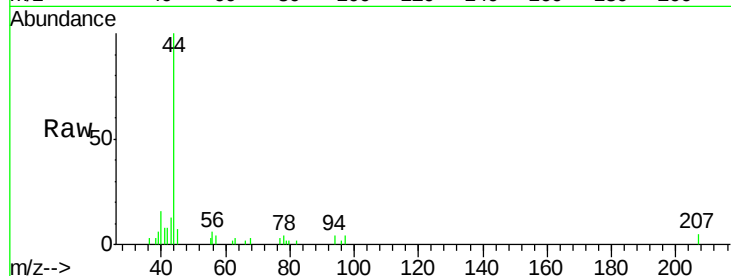
TP-25RE

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

56 100

55 57.7 55.0 82.6



#16

Acetone

Concen: 35.935 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061715.D

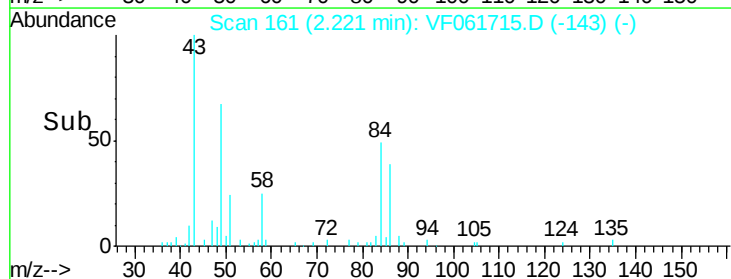
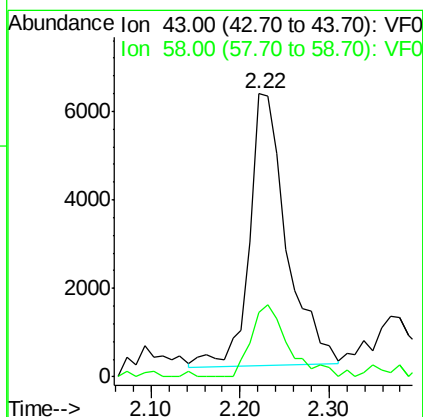
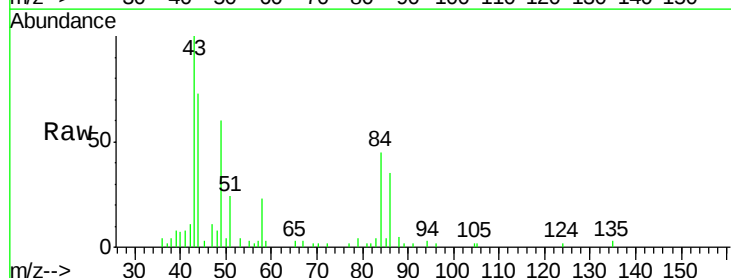
Acq: 22 Feb 2019 18:26

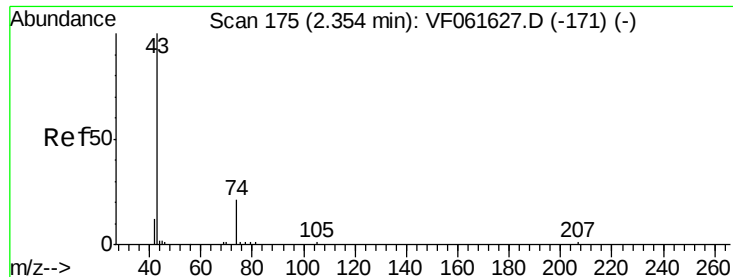
Tgt Ion: 43 Resp: 17617

Ion Ratio Lower Upper

43 100

58 23.0 22.9 34.3

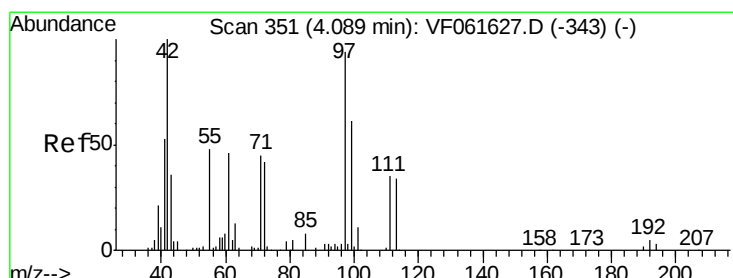
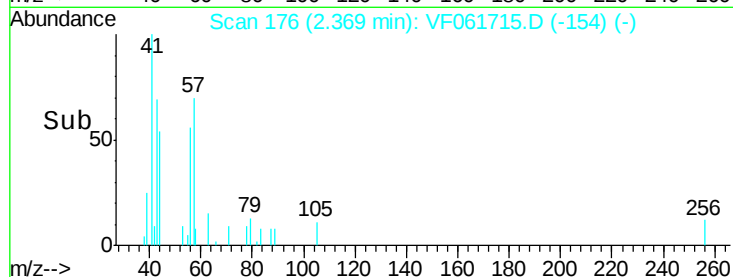
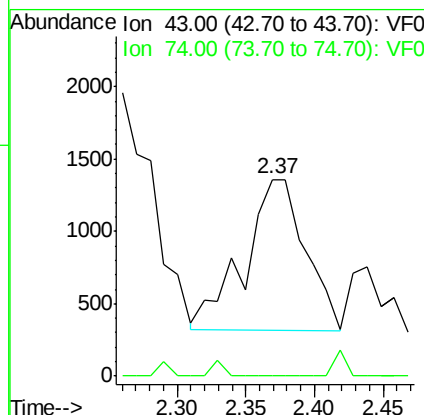
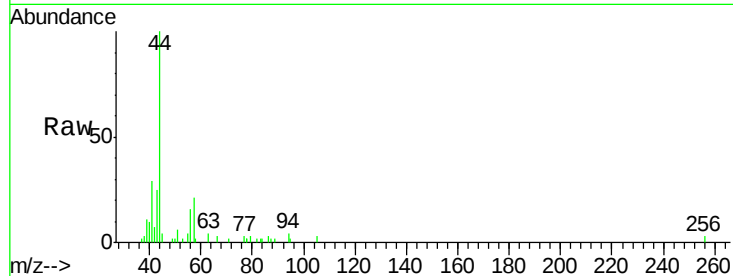




#18
Methvl Acetate
Concen: 2.893 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061715.D
Acq: 22 Feb 2019 18:26

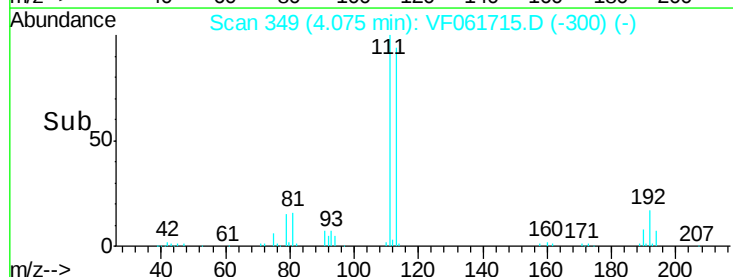
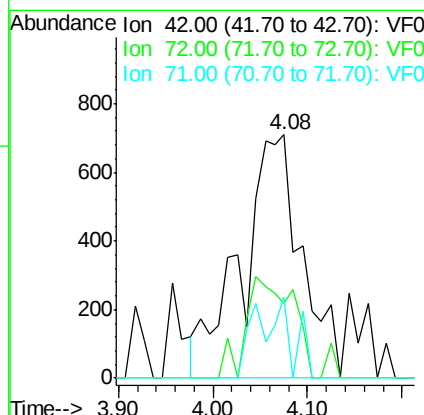
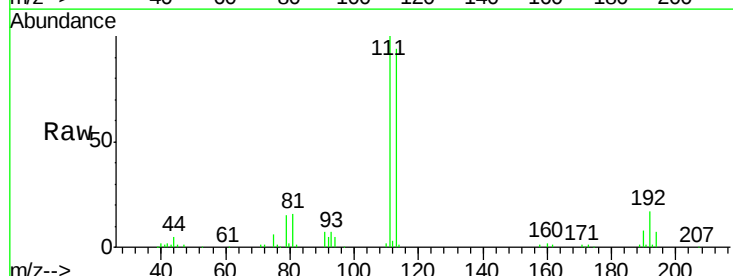
Instrument :
MSVOA_F
ClientSampleId :
TP-25RE

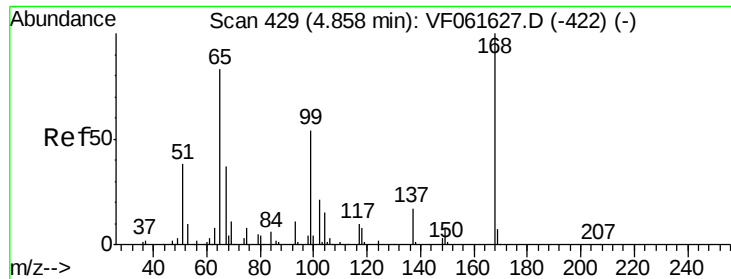
Tot Ion: 43 Resp: 3195
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#29
Tetrahydrofuran
Concen: 6.386 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061715.D
Acq: 22 Feb 2019 18:26

Tgt Ion: 42 Resp: 3108
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 32.9 49.3#

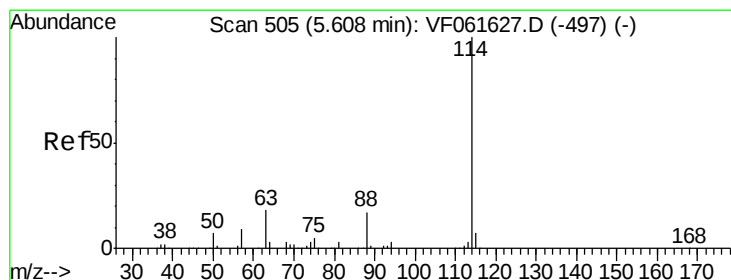
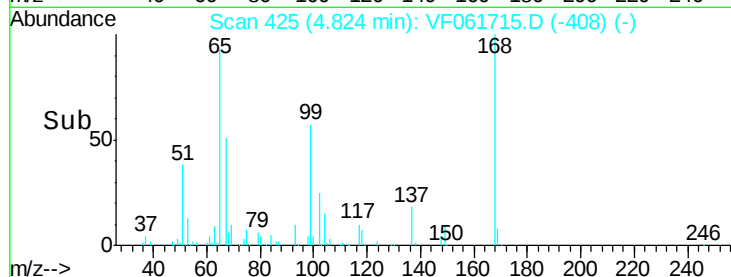
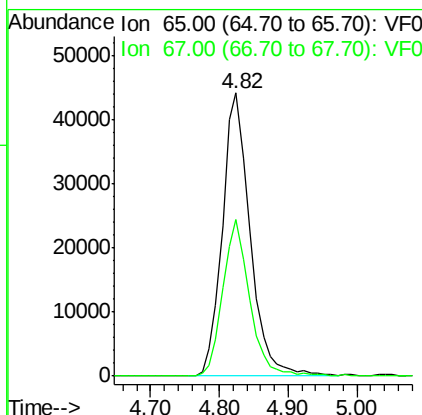
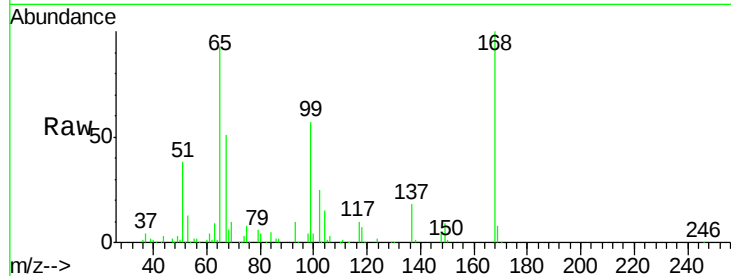




#33
 1,2-Dichloroethane-d4
 Concen: 54.286 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061715.D
 Acq: 22 Feb 2019 18:26

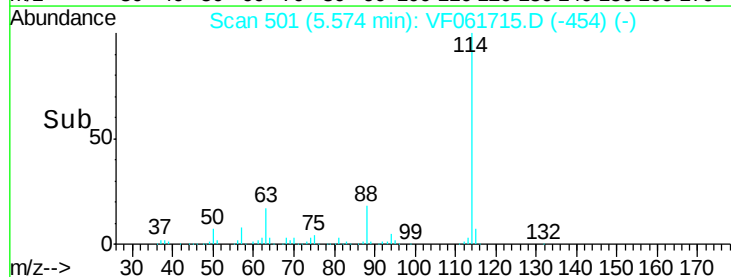
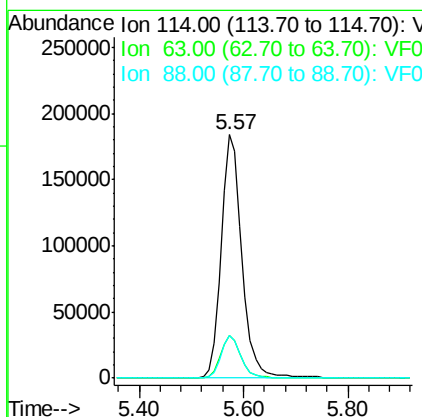
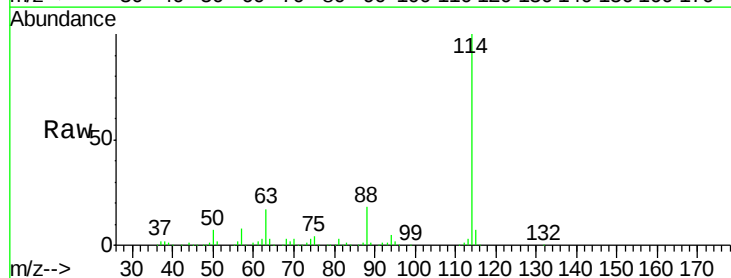
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-25RE

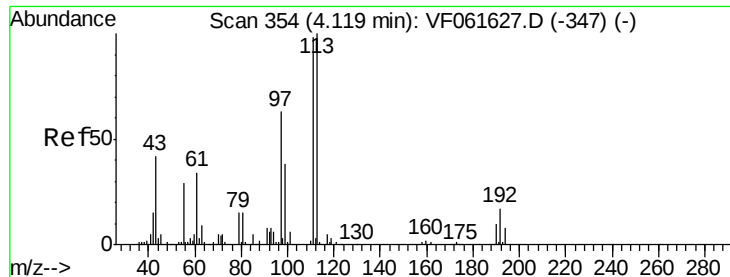
Tot Ion: 65 Resp: 124040
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061715.D
 Acq: 22 Feb 2019 18:26

Tgt Ion: 114 Resp: 502211
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.6
 88 17.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.404 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061715.D

Acq: 22 Feb 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

TP-25RE

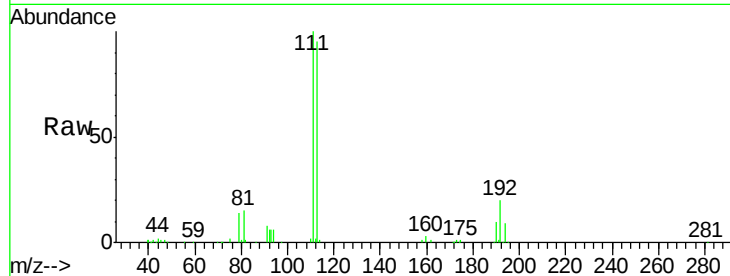
Tot Ion:113 Resp: 187978

Ion Ratio Lower Upper

113 100

111 105.2 78.8 118.2

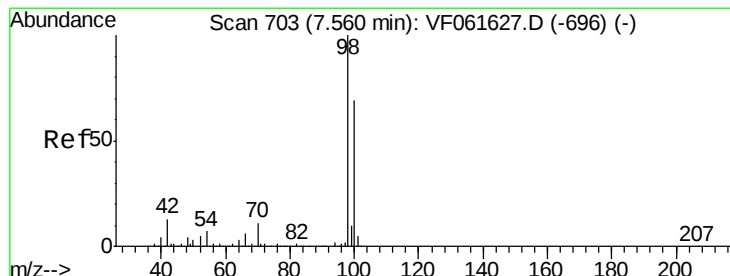
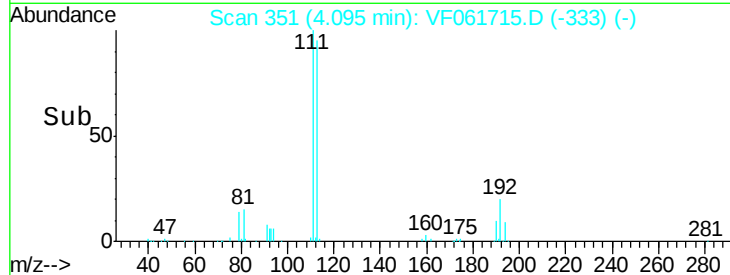
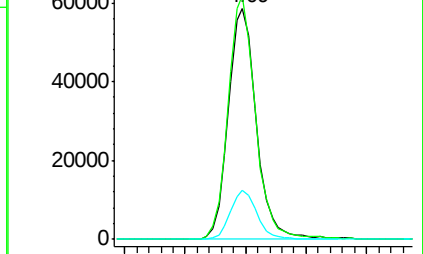
192 21.1 13.4 20.0#



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



#50

Toluene-d8

Concen: 43.477 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061715.D

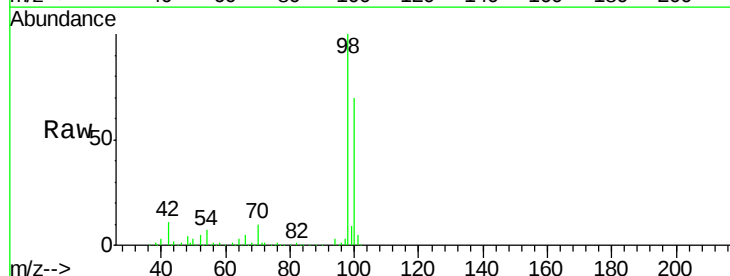
Acq: 22 Feb 2019 18:26

Tgt Ion: 98 Resp: 466119

Ion Ratio Lower Upper

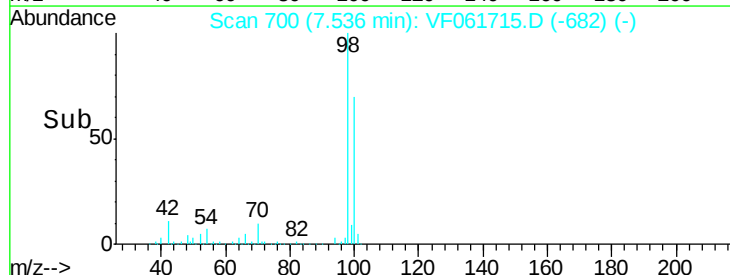
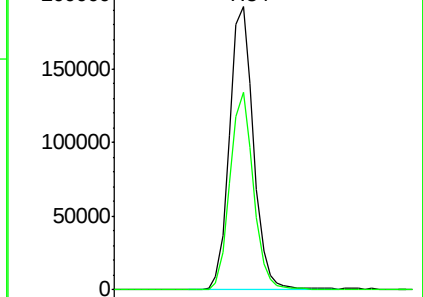
98 100

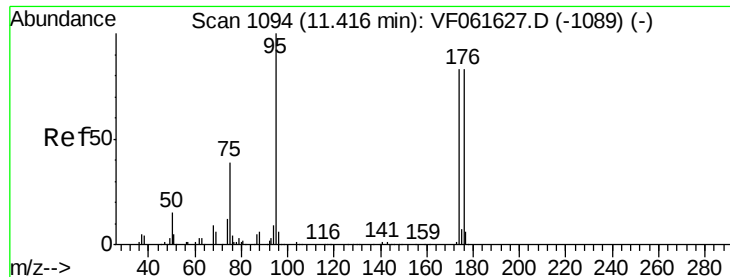
100 69.6 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 46.503 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061715.D

Acq: 22 Feb 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

TP-25RE

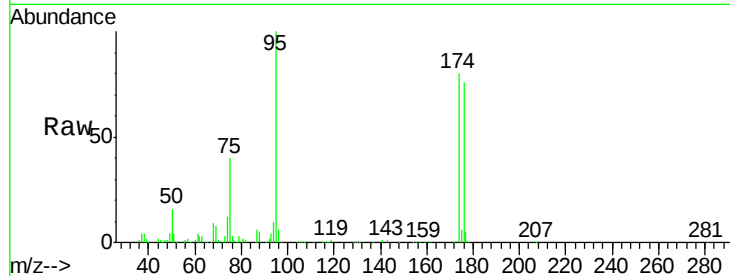
Tot Ion: 95 Resp: 201730

Ion Ratio Lower Upper

95 100

174 79.7 0.0 165.8

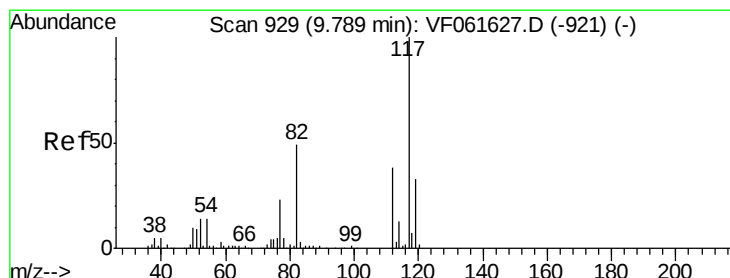
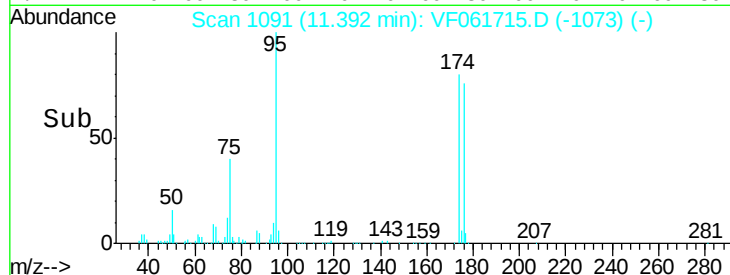
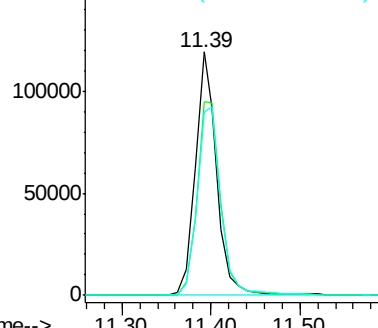
176 75.5 0.0 167.0



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. -0.03 min

Lab File: VF061715.D

Acq: 22 Feb 2019 18:26

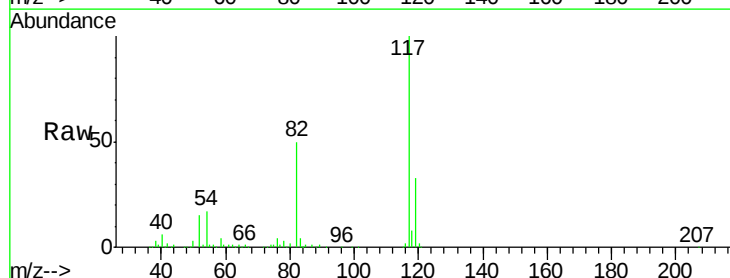
Tgt Ion: 117 Resp: 427564

Ion Ratio Lower Upper

117 100

82 50.2 39.3 58.9

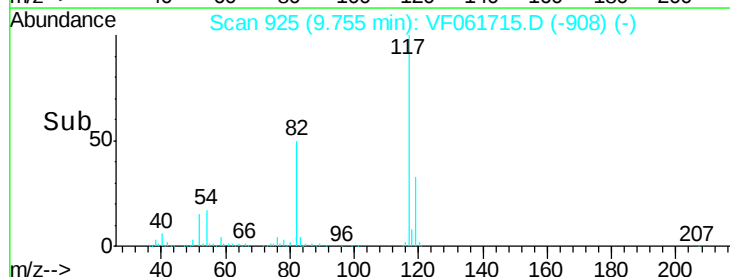
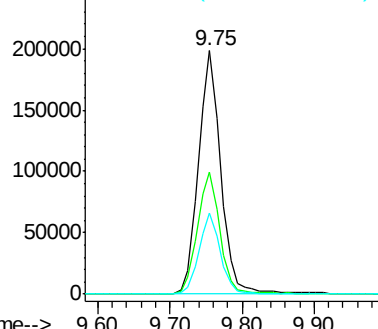
119 33.4 26.6 40.0

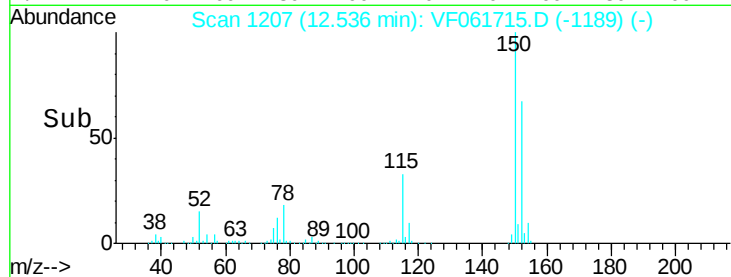
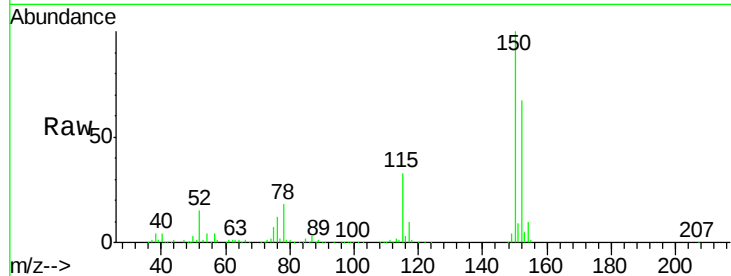
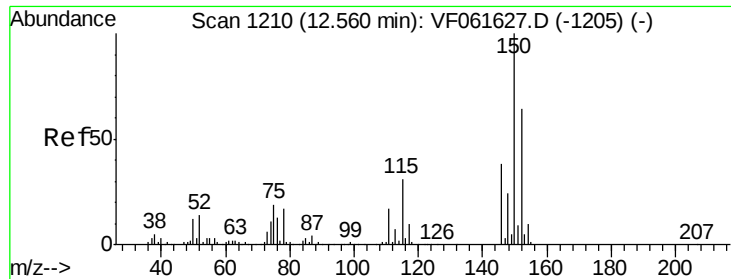


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061715.D
Acq: 22 Feb 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :
TP-25RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	48.9	24.3	72.8
150	150.1	0.0	312.0

