

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061751.D
 Acq On : 26 Feb 2019 19:56
 Operator : VA/AP
 Sample : K1627-05
 Misc : 5.93g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03-0-2

Quant Time: Feb 27 04:09:07 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

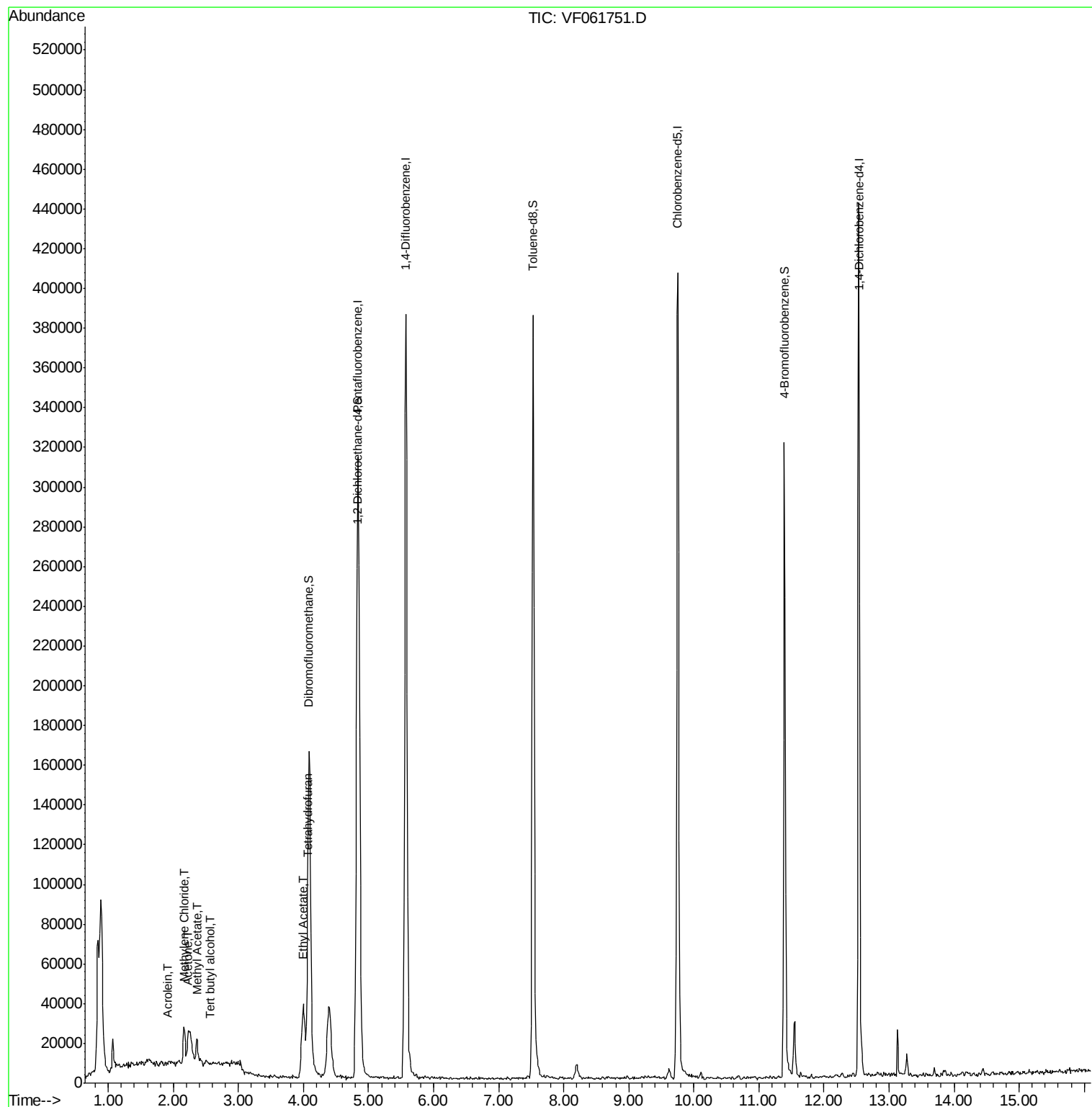
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	305270	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	472209	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	332773	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	125306	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	107016	47.81	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.62%	
35) Dibromofluoromethane	4.08	113	160908	45.89	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	91.78%	
50) Toluene-d8	7.53	98	355477	35.26	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	70.52%	
62) 4-Bromofluorobenzene	11.39	95	121350	29.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	59.50%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.57	59	222	1.714	ug/l #	1
13) Acrolein	1.90	56	333	2.045	ug/l	93
16) Acetone	2.23	43	4377	9.113	ug/l	96
18) Methyl Acetate	2.36	43	7662	7.081	ug/l #	59
20) Methylene Chloride	2.16	84	9038	1.044	ug/l	94
29) Tetrahydrofuran	4.05	42	2514	5.272	ug/l #	54
37) Ethyl Acetate	4.00	43	2438	1.122	ug/l #	93

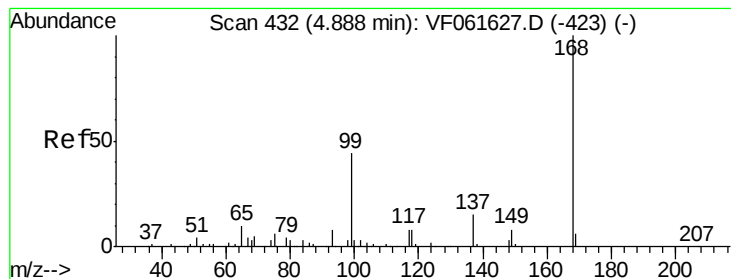
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VF061751.D

Acq: 26 Feb 2019 19:56

Instrument :

MSVOA_F

ClientSampleId :

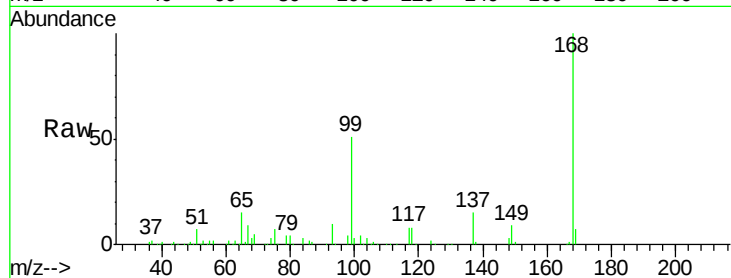
SB-03-(0-2)

Tot Ion:168 Resp: 305270

Ion Ratio Lower Upper

168 100

99 51.4 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

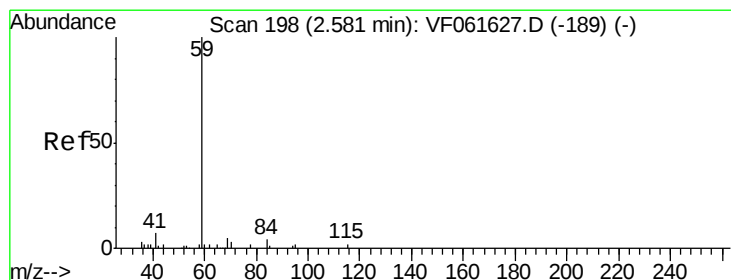
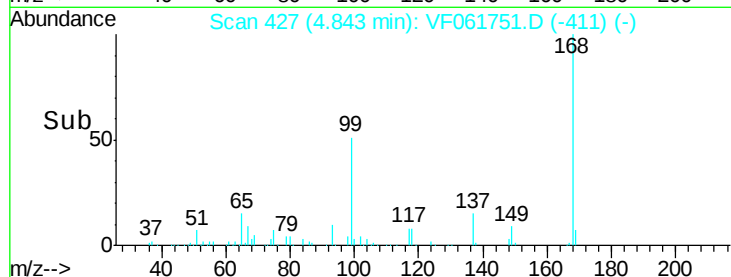
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.714 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF061751.D

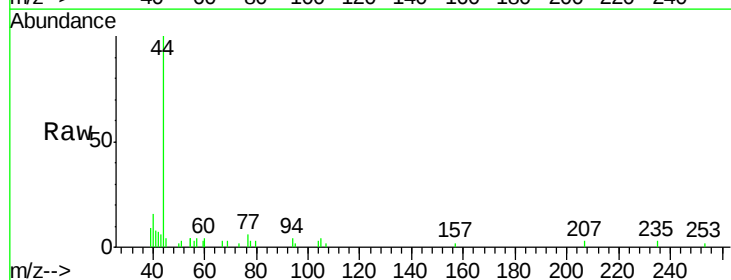
Acq: 26 Feb 2019 19:56

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 125.4 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

200

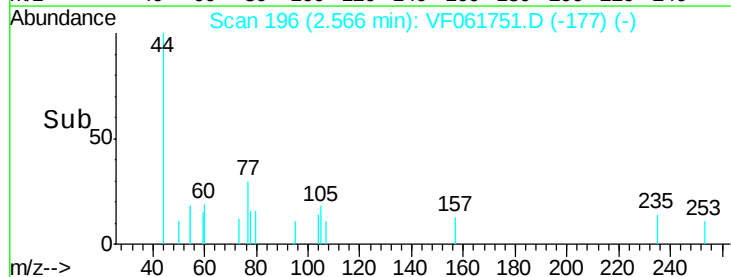
150

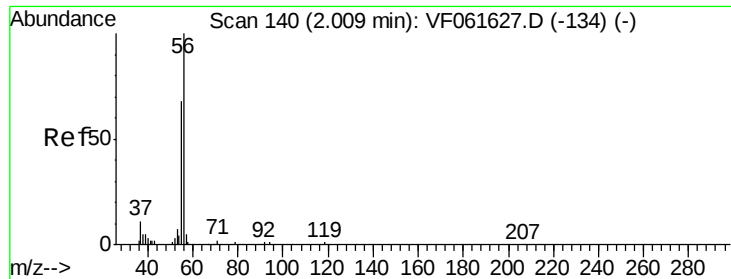
100

50

0

Time-->





#13

Acrolein

Concen: 2.045 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.10 min

Lab File: VF061751.D

Acq: 26 Feb 2019 19:56

Instrument :

MSVOA_F

ClientSampled :

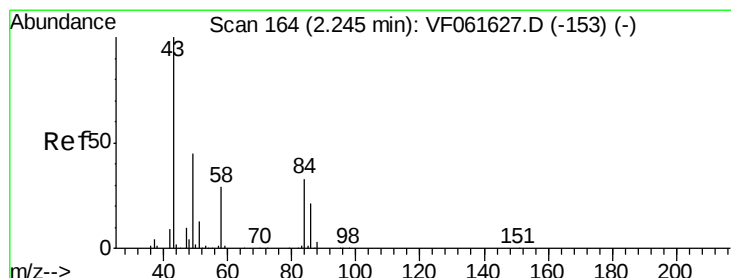
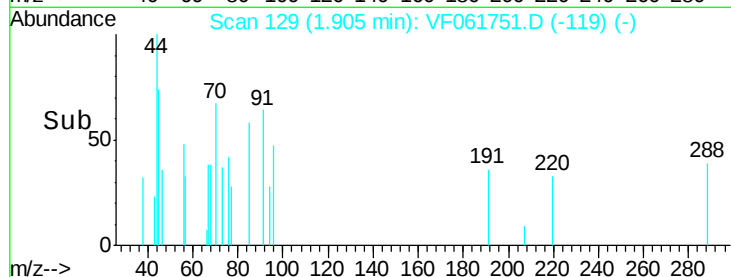
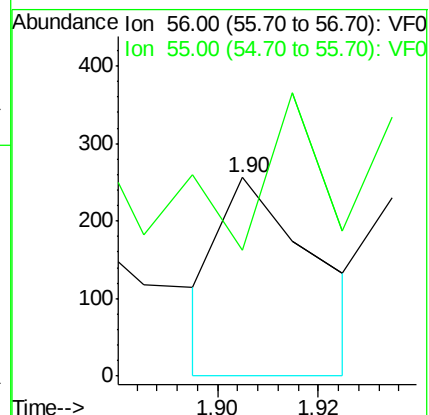
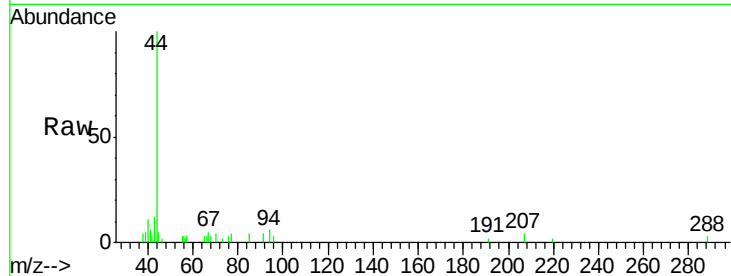
SB-03-(0-2)

Tot Ion: 56 Resp: 333

Ion Ratio Lower Upper

56 100

55 63.3 55.0 82.6



#16

Acetone

Concen: 9.113 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061751.D

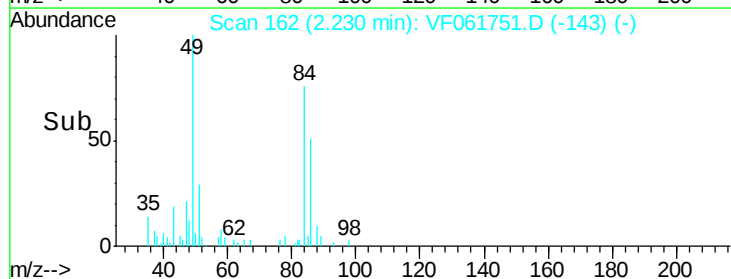
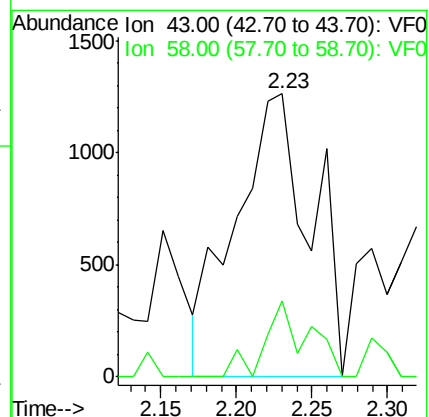
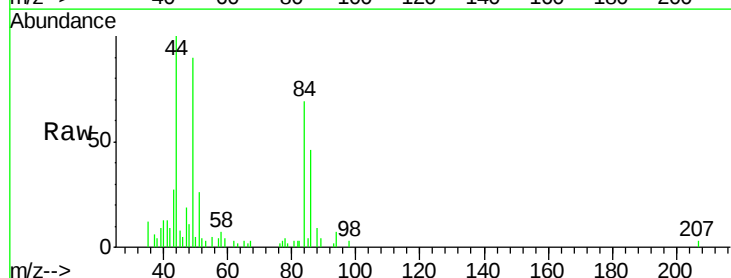
Acq: 26 Feb 2019 19:56

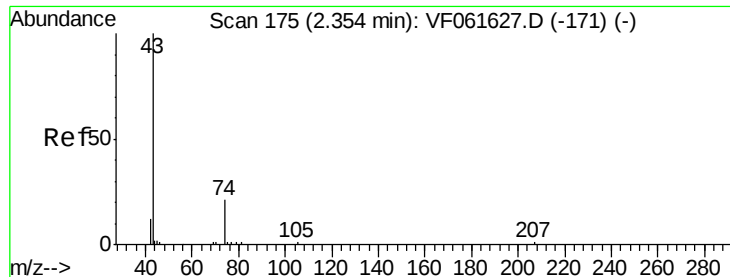
Tgt Ion: 43 Resp: 4377

Ion Ratio Lower Upper

43 100

58 26.7 22.9 34.3

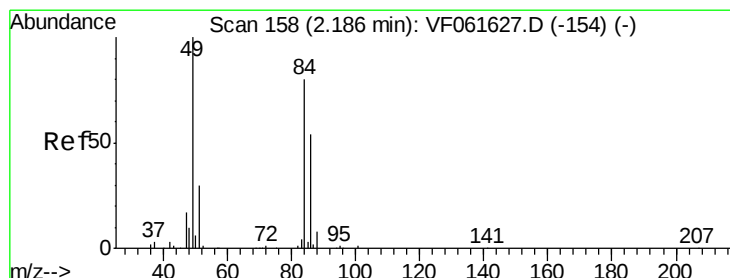
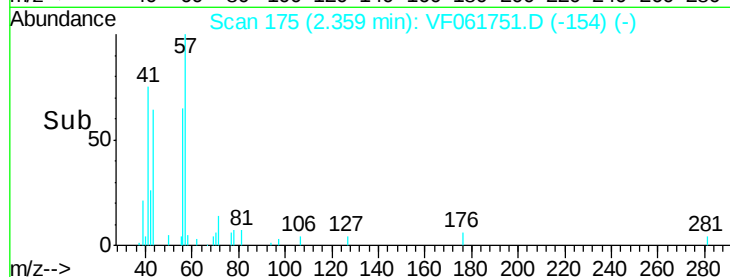
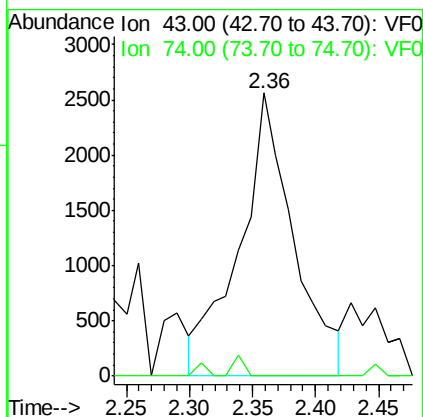
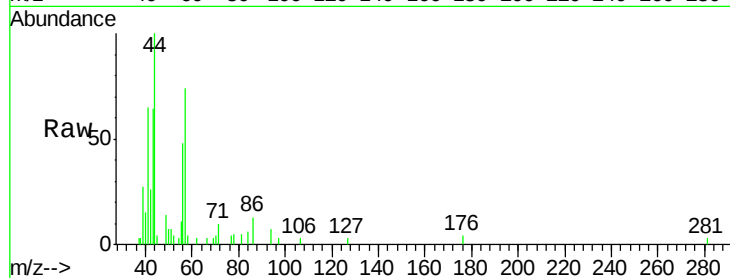




#18
Methyl Acetate
Concen: 7.081 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061751.D
Acq: 26 Feb 2019 19:56

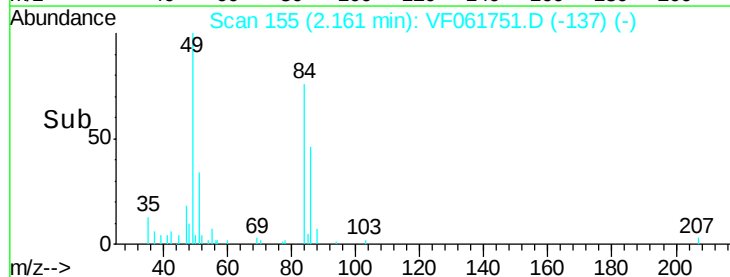
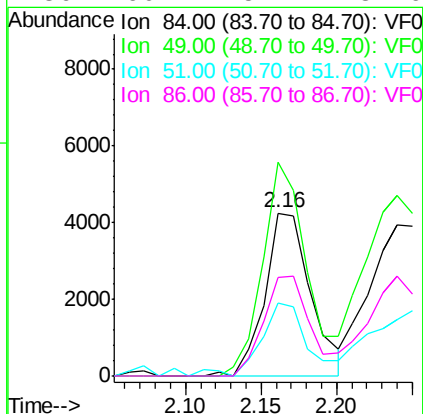
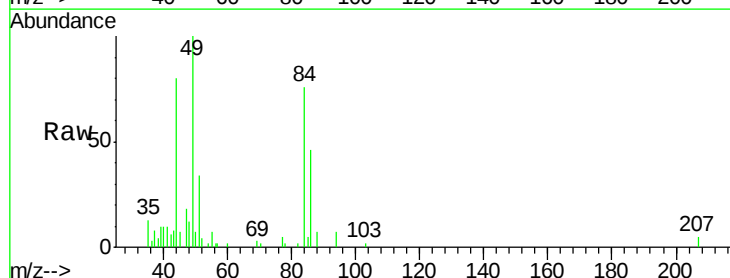
Instrument :
MSVOA_F
ClientSampled :
SB-03-(0-2)

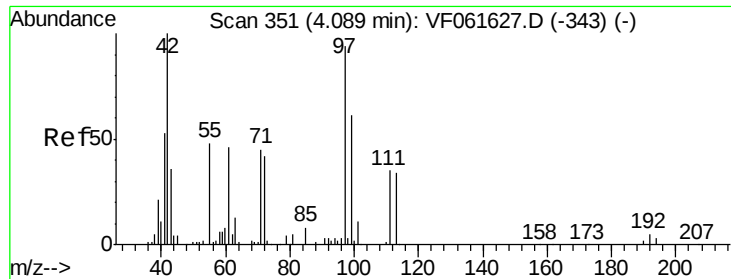
Tot Ion: 43 Resp: 7662
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 1.044 ug/l
RT: 2.16 min Scan# 155
Delta R.T. -0.02 min
Lab File: VF061751.D
Acq: 26 Feb 2019 19:56

Tgt Ion: 84 Resp: 9038
Ion Ratio Lower Upper
84 100
49 131.0 101.8 152.8
51 44.4 31.1 46.7
86 60.7 54.4 81.6





#29

Tetrahydrofuran

Concen: 5.272 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF061751.D

Acq: 26 Feb 2019 19:56

Instrument :

MSVOA_F

ClientSampleId :

SB-03-(0-2)

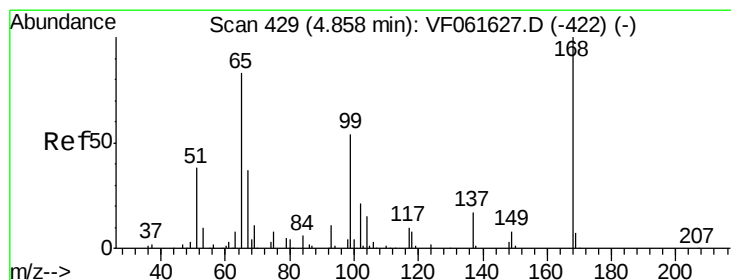
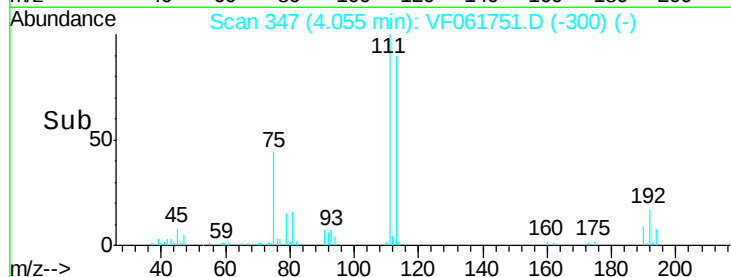
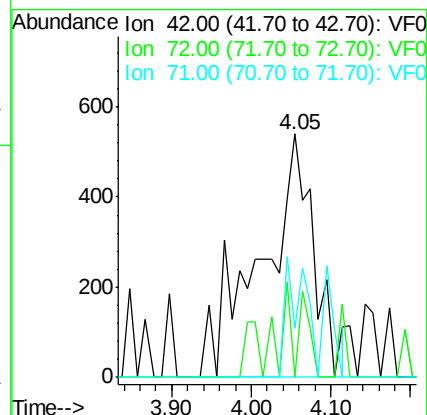
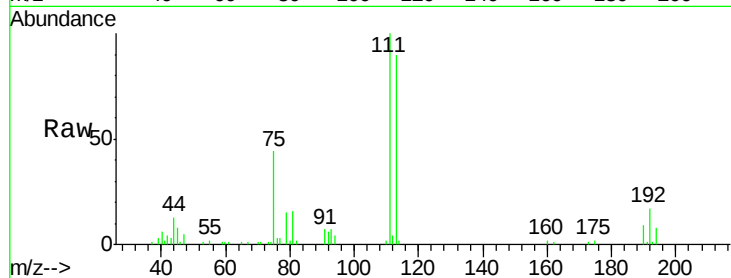
Tot Ion: 42 Resp: 2514

Ion Ratio Lower Upper

42 100

72 8.1 35.2 52.8#

71 18.4 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 47.805 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061751.D

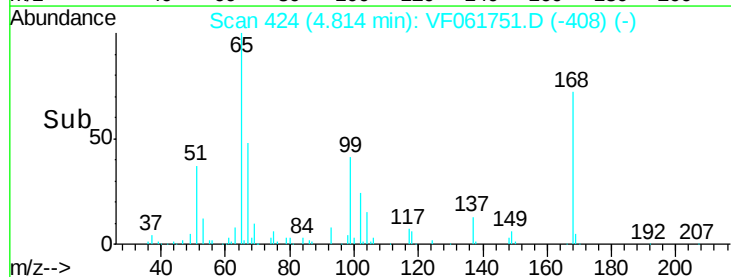
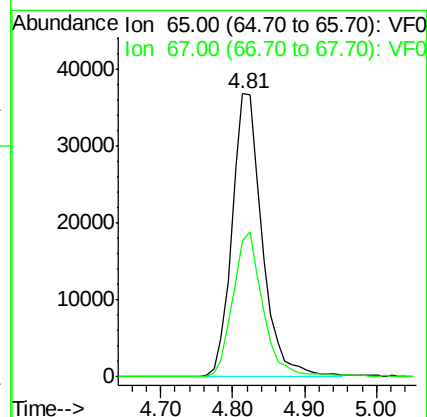
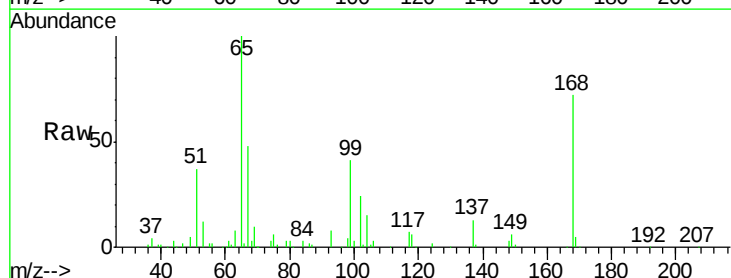
Acq: 26 Feb 2019 19:56

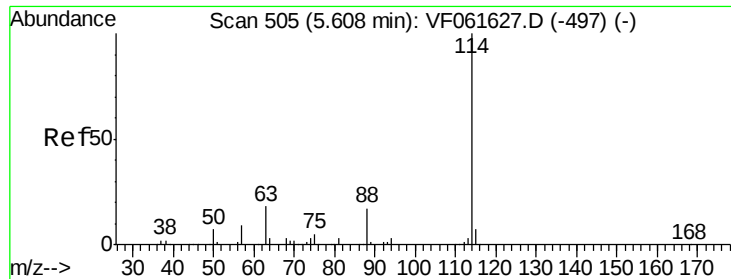
Tgt Ion: 65 Resp: 107016

Ion Ratio Lower Upper

65 100

67 48.0 0.0 104.0

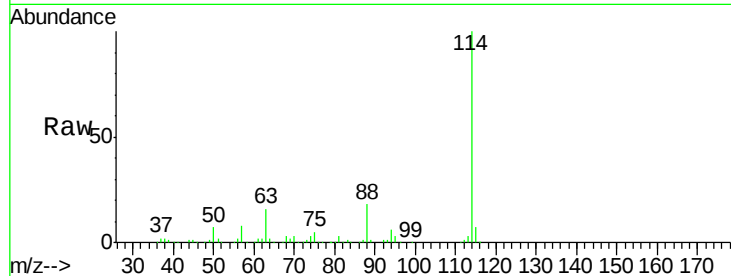




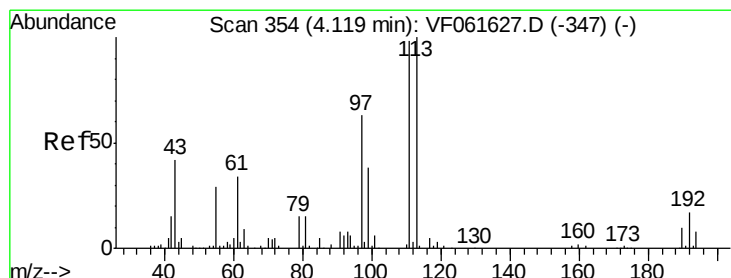
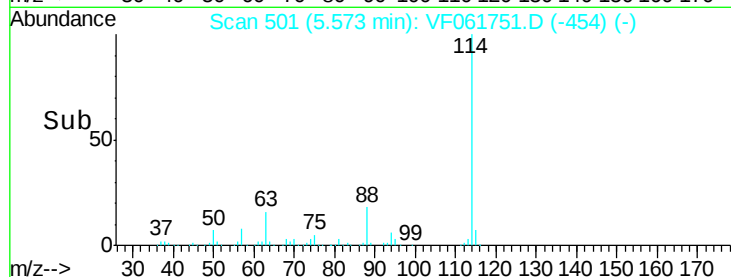
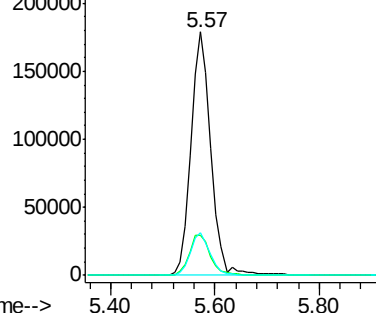
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061751.D
 Acq: 26 Feb 2019 19:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03-(0-2)

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	36.6
88	17.7	0.0	34.4

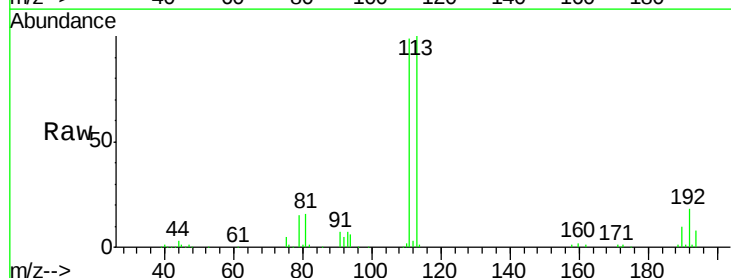


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

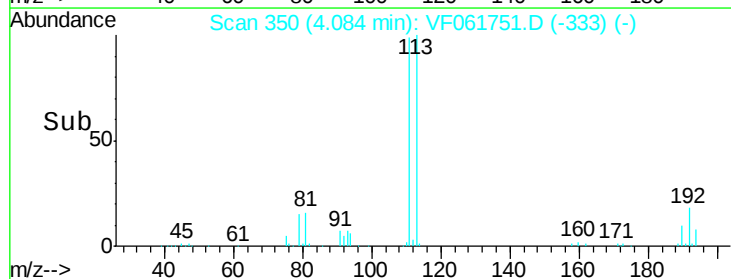
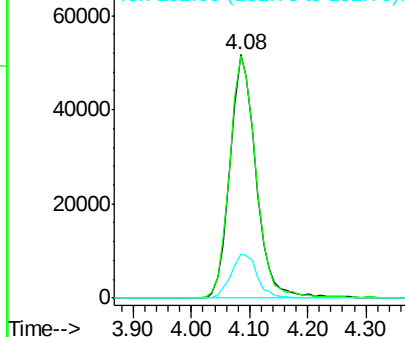


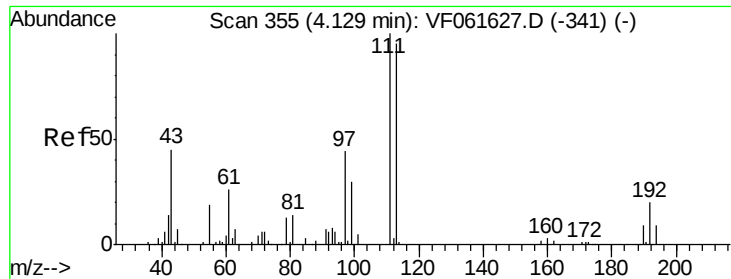
#35
 Dibromofluoromethane
 Concen: 45.886 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.03 min
 Lab File: VF061751.D
 Acq: 26 Feb 2019 19:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.5	78.8	118.2
192	18.1	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





#37

Ethyl Acetate

Concen: 1.122 ug/l

RT: 4.00 min Scan# 341

Delta R.T. -0.13 min

Lab File: VF061751.D

Acq: 26 Feb 2019 19:56

Instrument :

MSVOA_F

ClientSampled :

SB-03-(0-2)

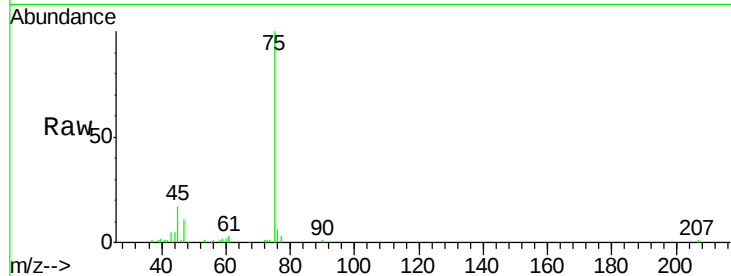
Tot Ion: 43 Resp: 2438

Ion Ratio Lower Upper

43 100

61 55.1 45.7 68.5

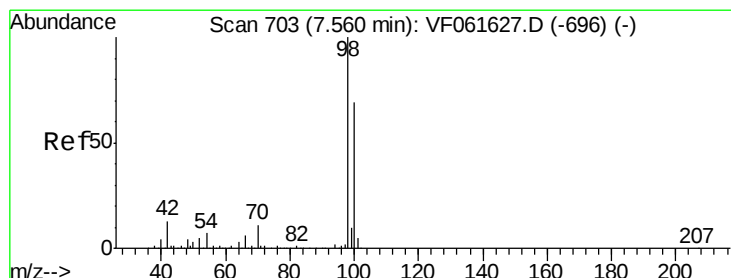
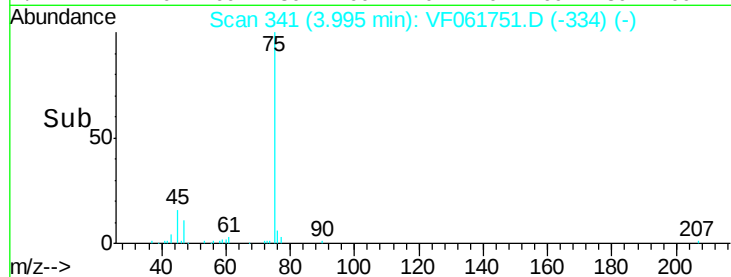
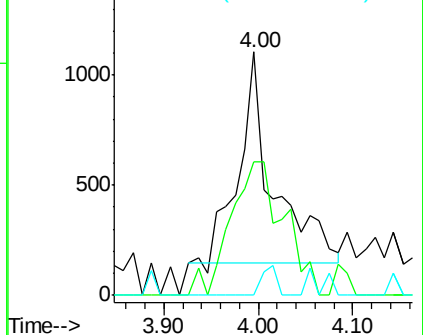
70 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#50

Toluene-d8

Concen: 35.263 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF061751.D

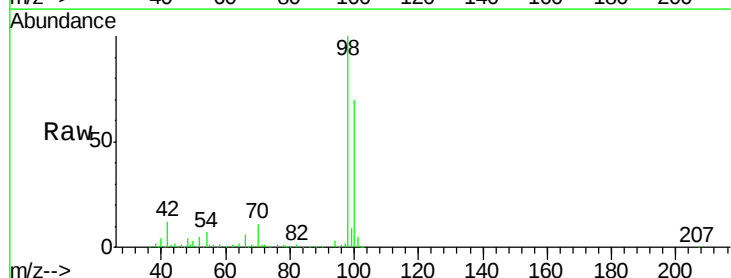
Acq: 26 Feb 2019 19:56

Tgt Ion: 98 Resp: 355477

Ion Ratio Lower Upper

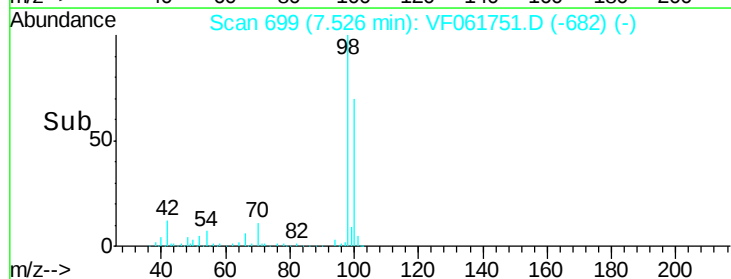
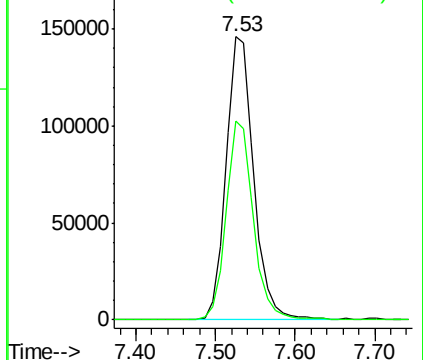
98 100

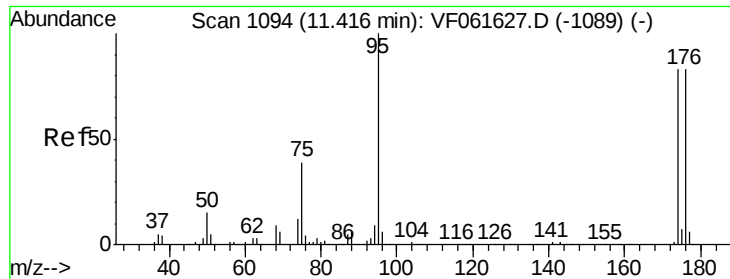
100 70.3 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

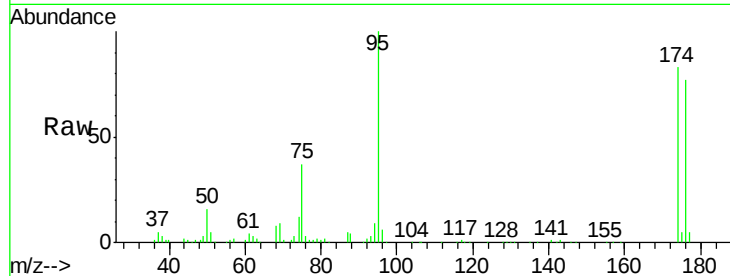




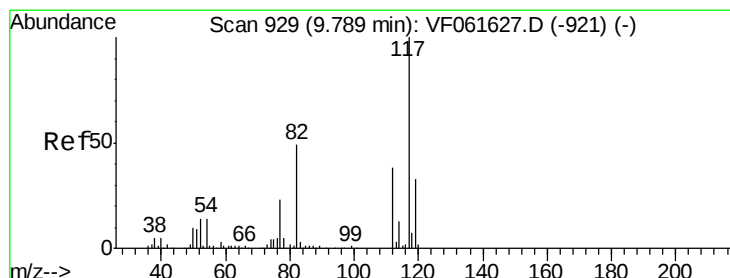
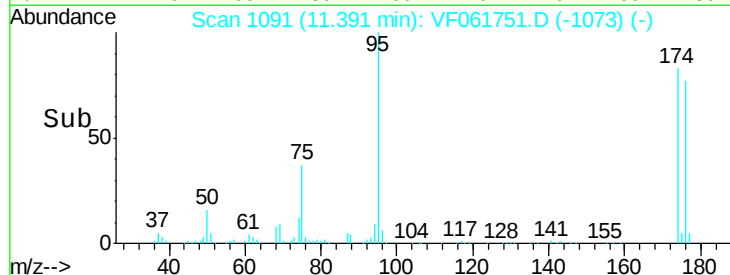
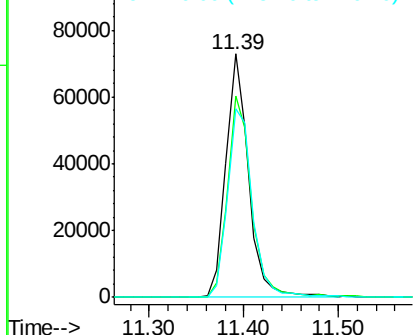
#62
4-Bromofluorobenzene
Concen: 29.751 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF061751.D
Acq: 26 Feb 2019 19:56

Instrument :
MSVOA_F
ClientSampleId :
SB-03-(0-2)

Tot Ion: 95 Resp: 121350
Ion Ratio Lower Upper
95 100
174 82.8 0.0 165.8
176 77.2 0.0 167.0

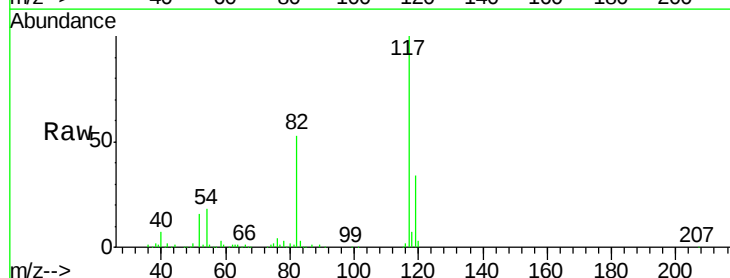


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

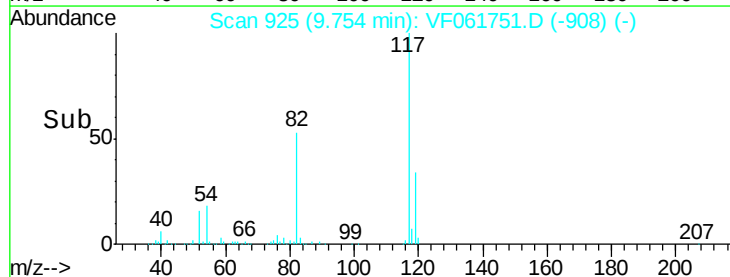
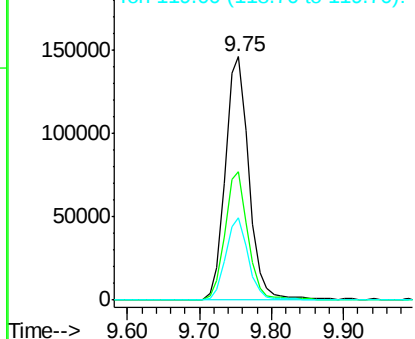


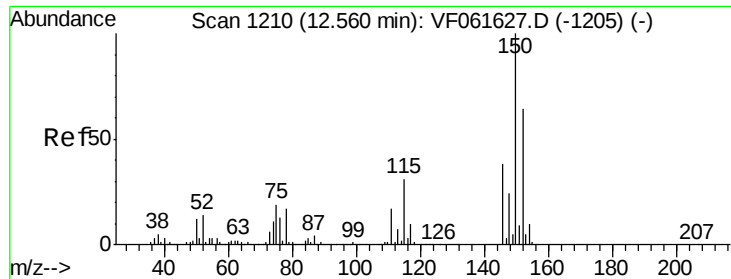
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061751.D
Acq: 26 Feb 2019 19:56

Tgt Ion: 117 Resp: 332773
Ion Ratio Lower Upper
117 100
82 52.5 39.3 58.9
119 33.9 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



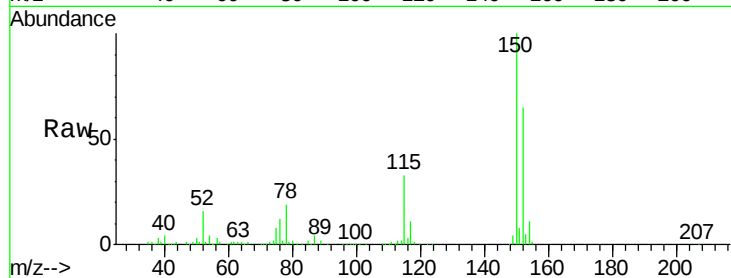


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061751.D
Acq: 26 Feb 2019 19:56

Instrument :
MSVOA_F
ClientSampleId :
SB-03-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.8	24.3	72.8
150	152.9	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

