

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062019.D
 Acq On : 19 Mar 2019 15:43
 Operator : VA/AP
 Sample : K1931-02RE
 Misc : 5.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:21:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

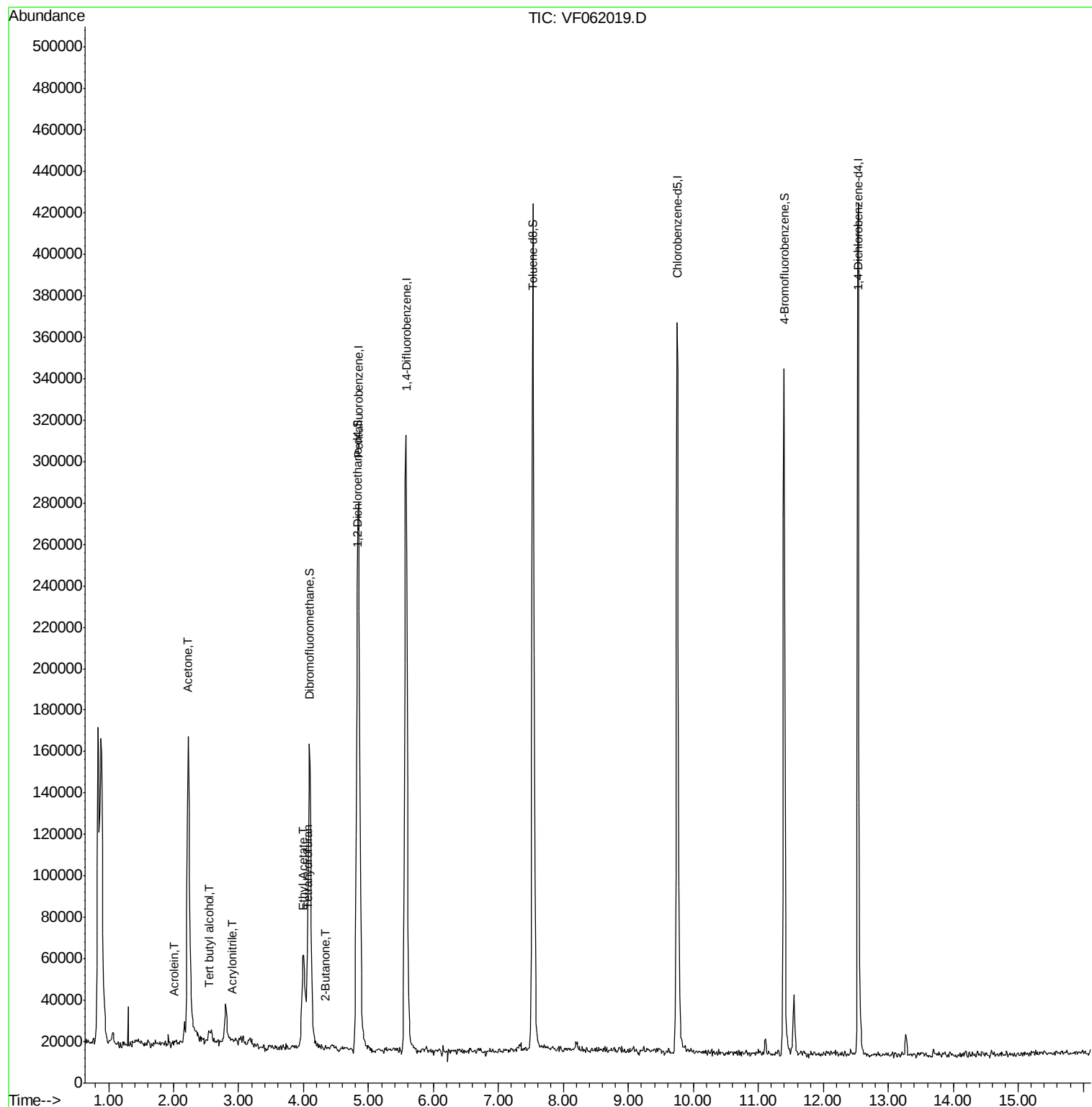
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	248886	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	371342	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	290616	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	125977	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	97979	54.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.38%	
35) Dibromofluoromethane	4.09	113	143794	57.66	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	115.32%	
50) Toluene-d8	7.53	98	360363	49.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.40	95	129417	44.69	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.38%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	11407	104.052	ug/l #	93
13) Acrolein	2.02	56	224	1.893	ug/l	97
15) Acrylonitrile	2.91	53	335	1.005	ug/l #	46
16) Acetone	2.23	43	260816	648.302	ug/l	97
25) 2-Butanone	4.33	43	2172	2.726	ug/l	92
29) Tetrahydrofuran	4.05	42	2149	6.202	ug/l #	64
37) Ethyl Acetate	3.99	43	3892	2.585	ug/l #	82

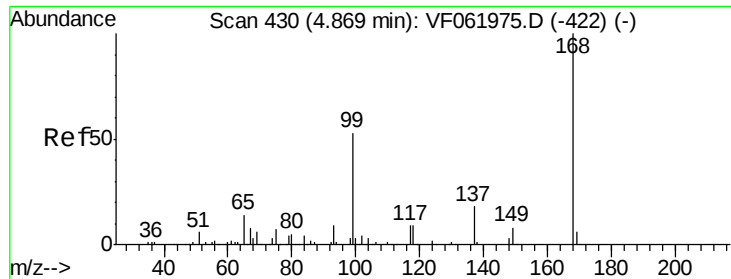
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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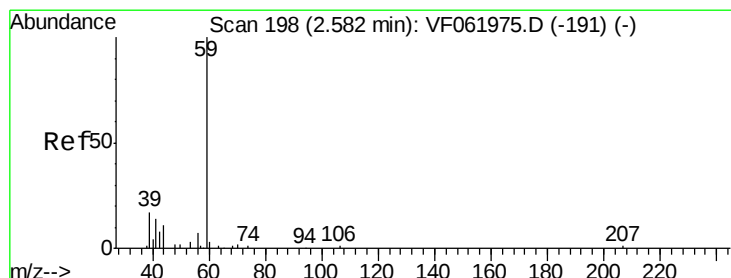
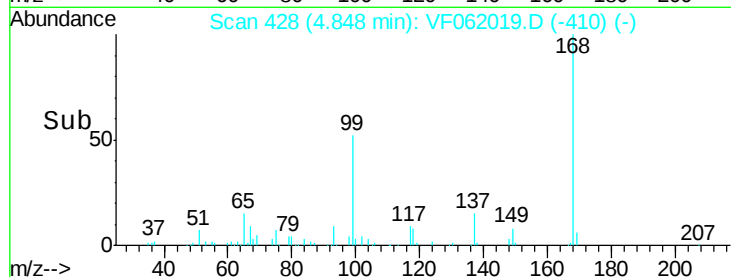
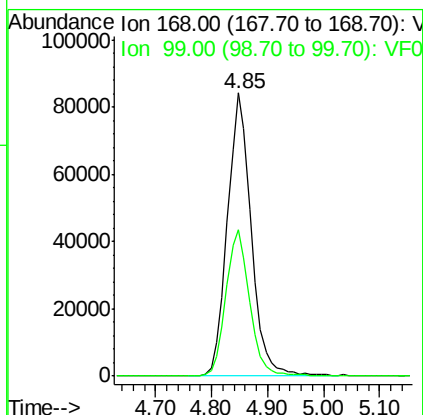
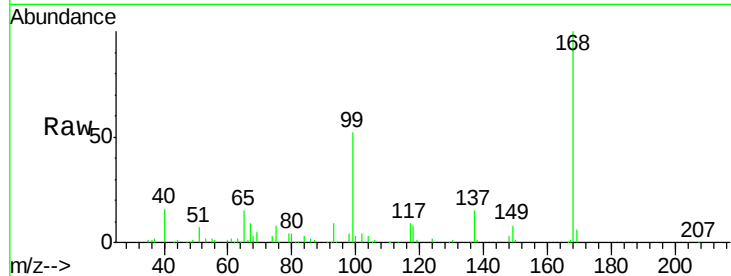




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

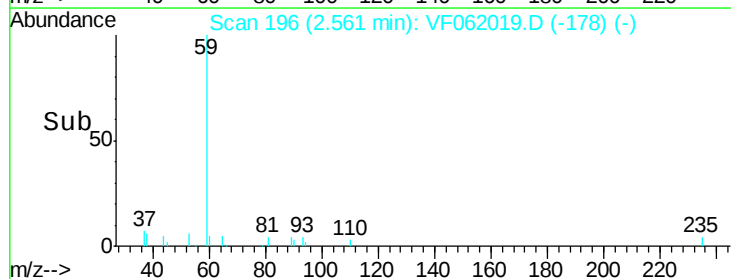
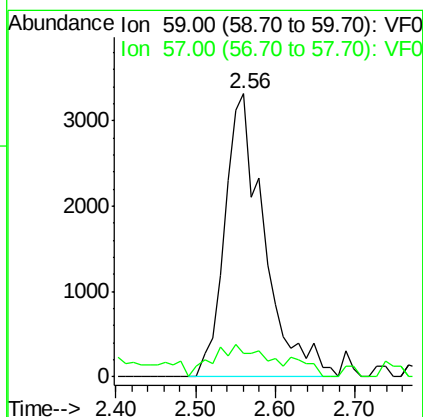
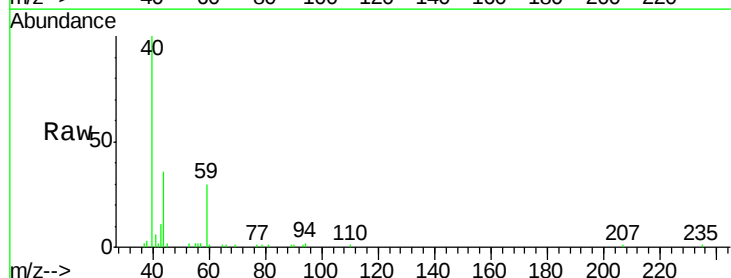
Instrument :
MSVOA_F
ClientSampled :

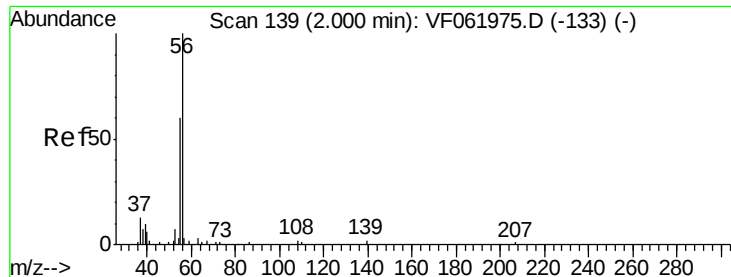
Tot Ion:168 Resp: 248886
Ion Ratio Lower Upper
168 100
99 51.7 42.4 63.6



#11
Tert butyl alcohol
Concen: 104.052 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

Tgt Ion: 59 Resp: 11407
Ion Ratio Lower Upper
59 100
57 8.4 8.7 13.1#

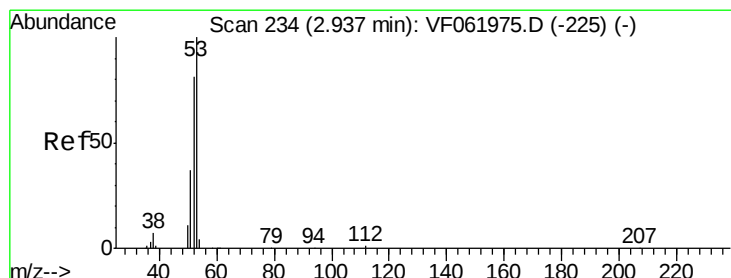
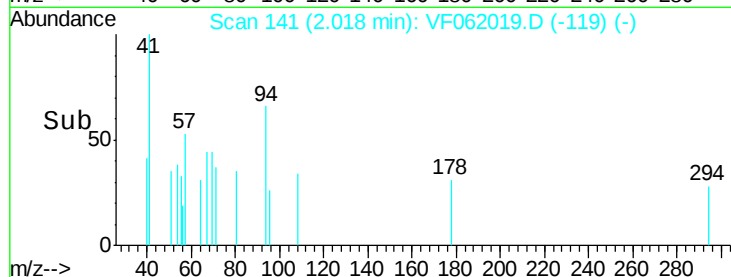
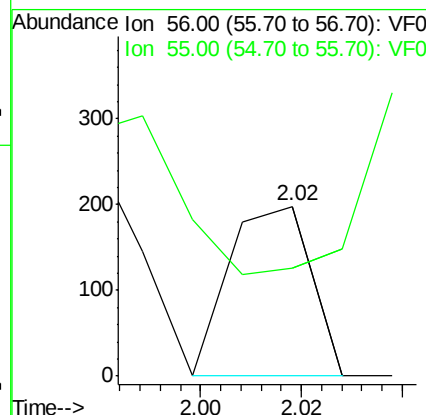
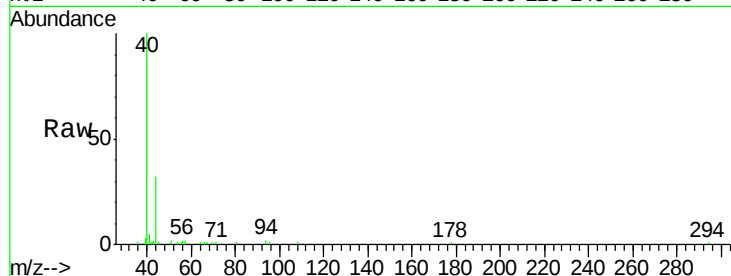




#13
Acrolein
Concen: 1.893 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.02 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

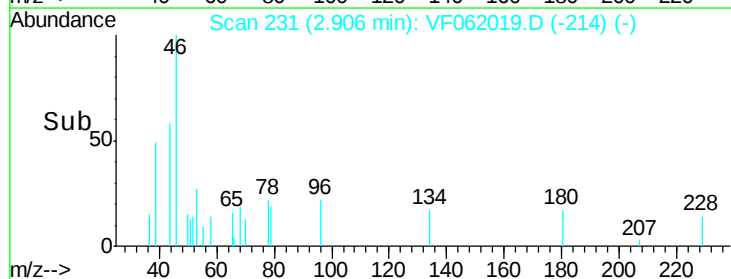
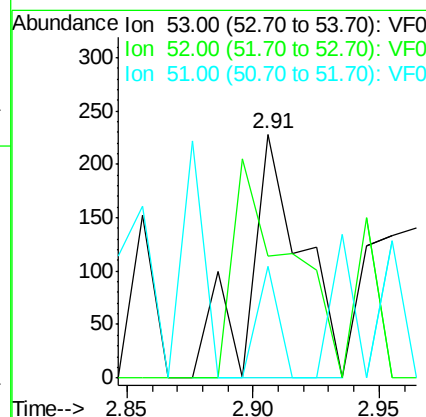
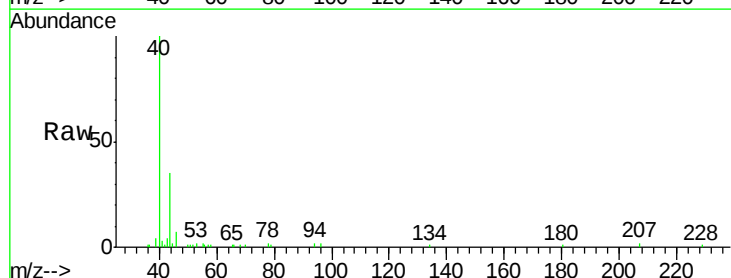
Instrument :
MSVOA_F
ClientSampled :

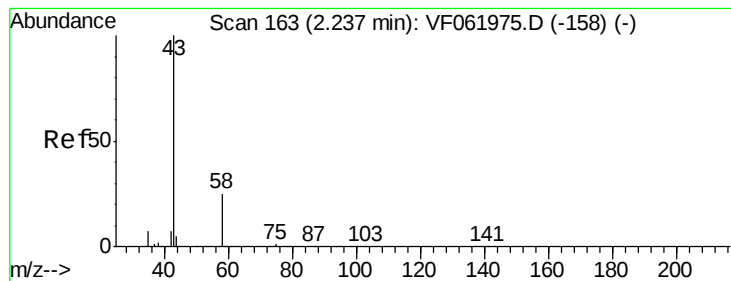
Tot Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 63.6 49.1 73.7



#15
Acrylonitrile
Concen: 1.005 ug/l
RT: 2.91 min Scan# 231
Delta R.T. -0.03 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

Tgt Ion: 53 Resp: 335
Ion Ratio Lower Upper
53 100
52 50.0 64.4 96.6#
51 96.1 30.3 45.5#





#16

Acetone

Concen: 648.302 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062019.D

Acq: 19 Mar 2019 15:43

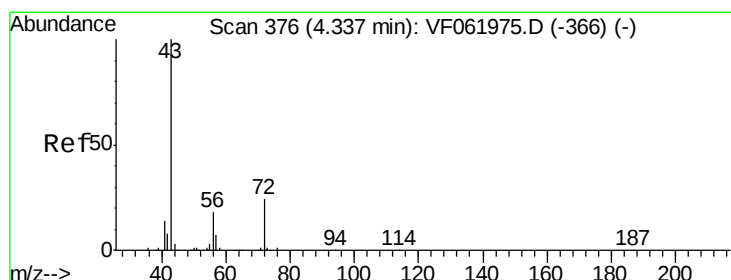
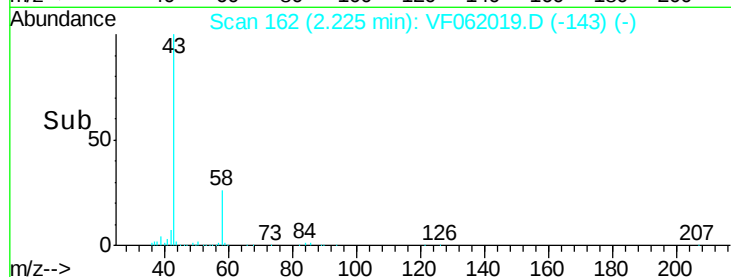
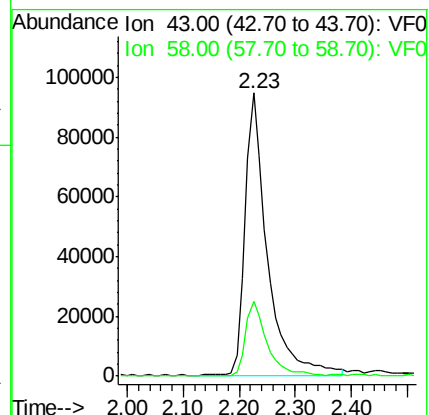
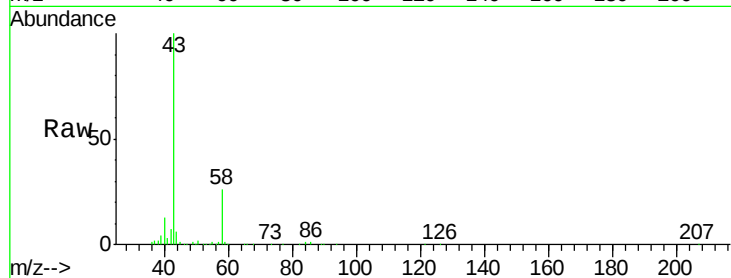
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 260816

Ion Ratio Lower Upper

43 100

58 26.3 19.9 29.9



#25

2-Butanone

Concen: 2.726 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF062019.D

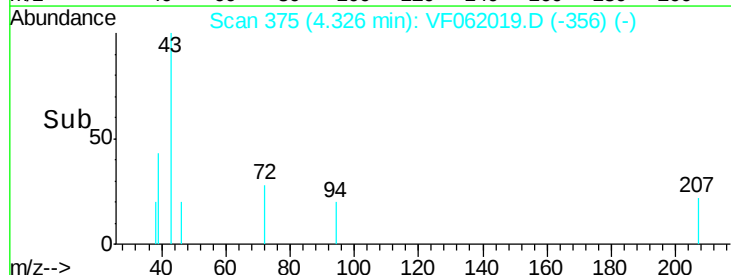
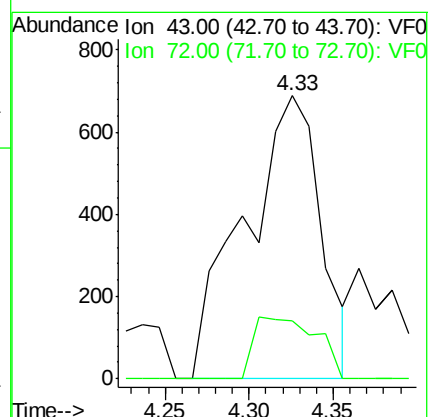
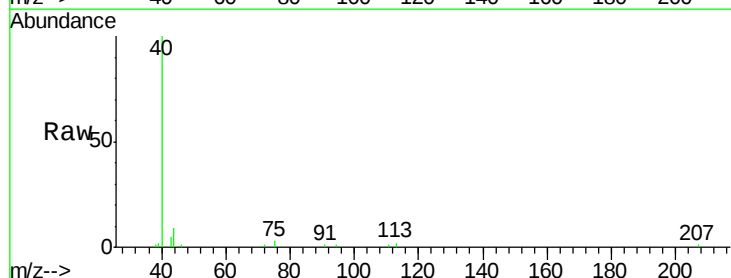
Acq: 19 Mar 2019 15:43

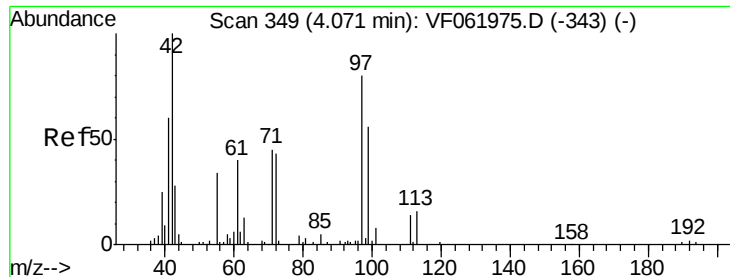
Tgt Ion: 43 Resp: 2172

Ion Ratio Lower Upper

43 100

72 20.6 19.8 29.6

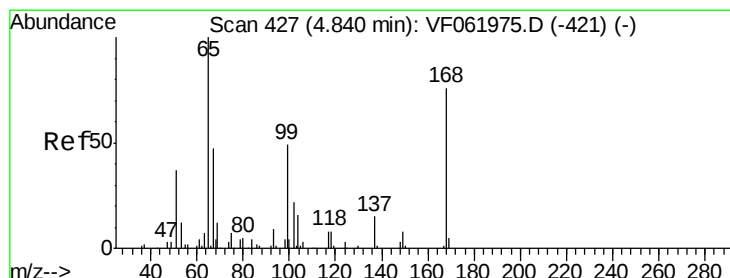
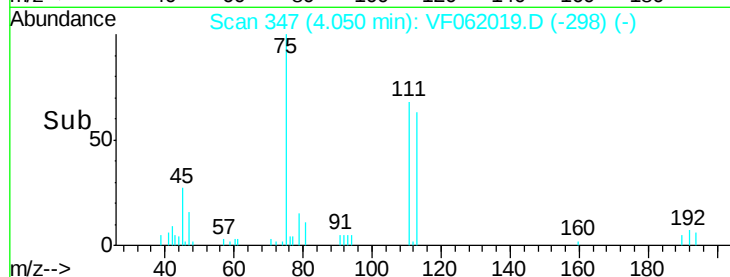
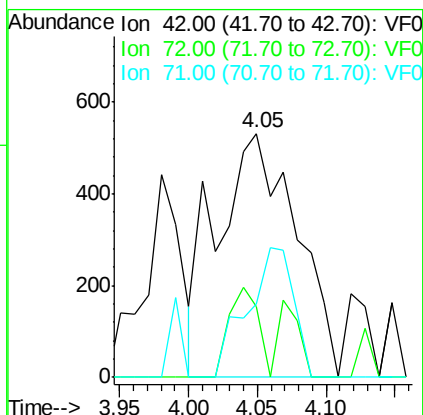
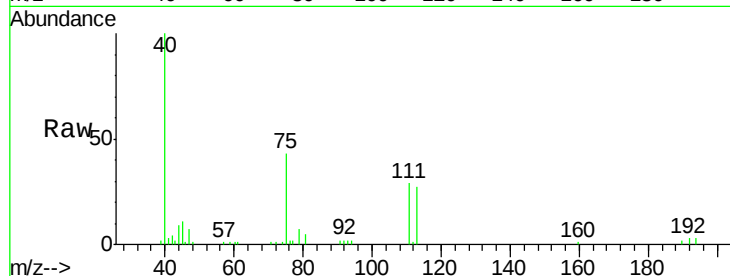




#29
Tetrahydrofuran
Concen: 6.202 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

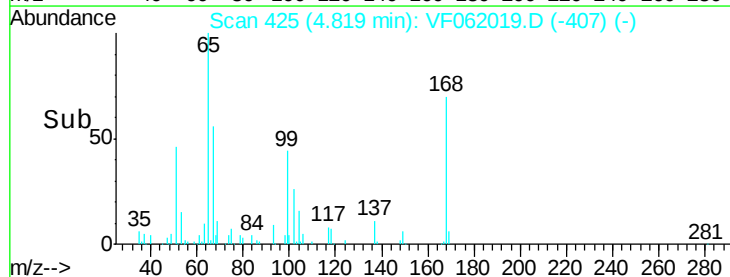
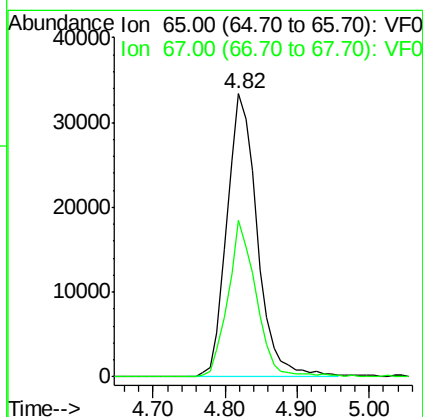
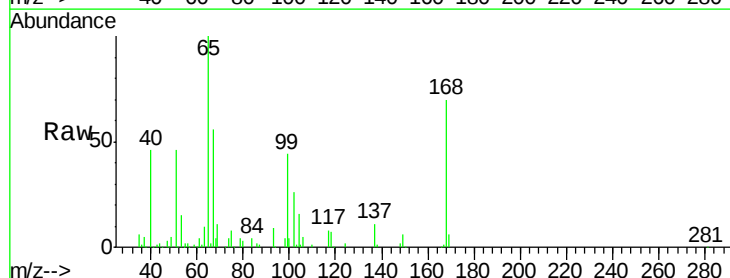
Instrument :
MSVOA_F
ClientSampleId :

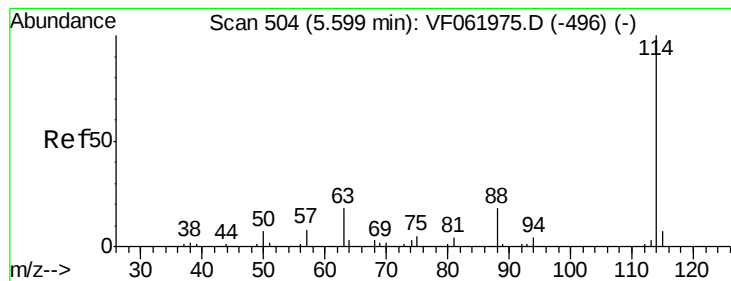
Tot Ion: 42 Resp: 2149
Ion Ratio Lower Upper
42 100
72 8.1 34.0 51.0#
71 30.8 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 54.689 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

Tgt Ion: 65 Resp: 97979
Ion Ratio Lower Upper
65 100
67 55.6 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF062019.D

Acq: 19 Mar 2019 15:43

Instrument :
MSVOA_F
ClientSampleId :

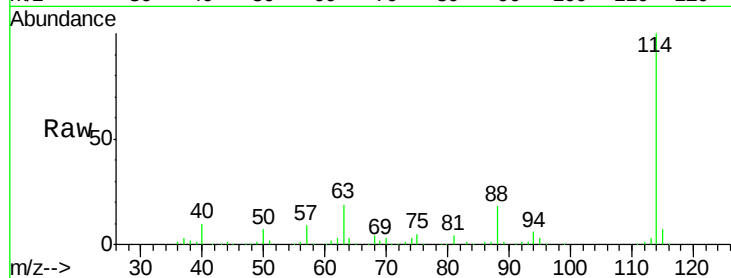
Tot Ion:114 Resp: 371342

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

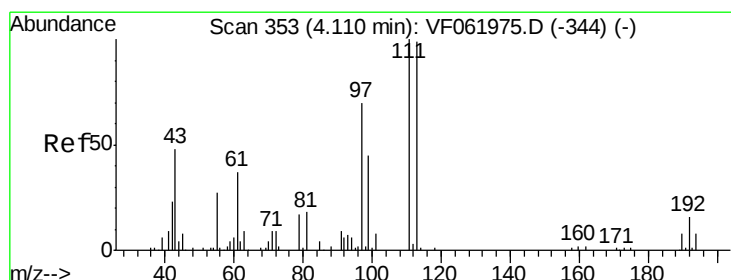
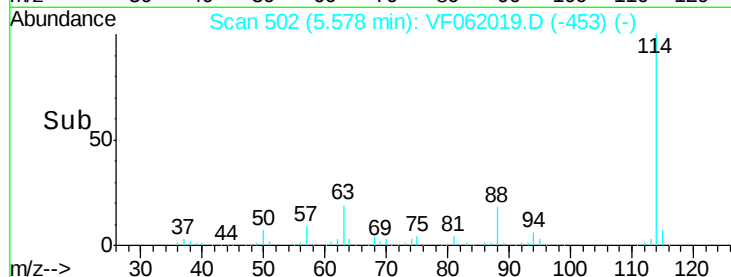
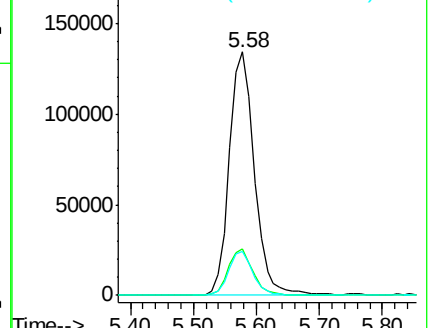
88 17.9 0.0 36.4



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: 57.664 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062019.D

Acq: 19 Mar 2019 15:43

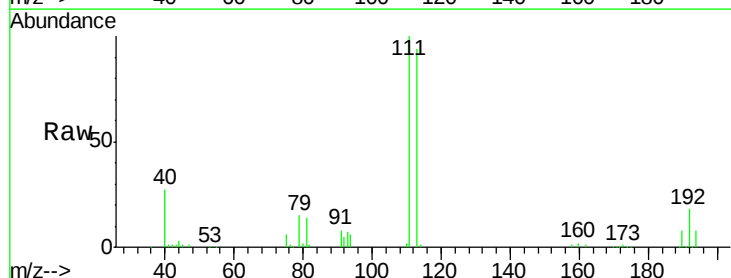
Tgt Ion:113 Resp: 143794

Ion Ratio Lower Upper

113 100

111 106.5 80.8 121.2

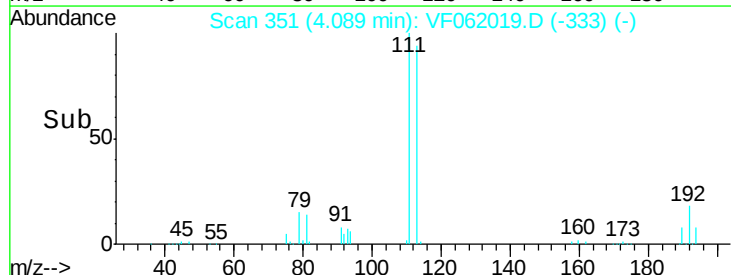
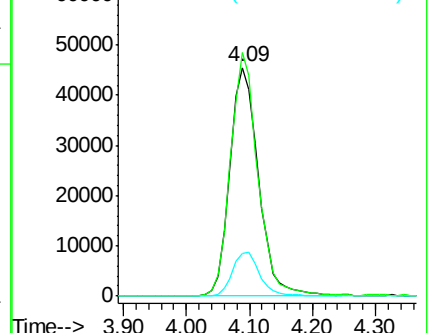
192 18.8 13.0 19.6

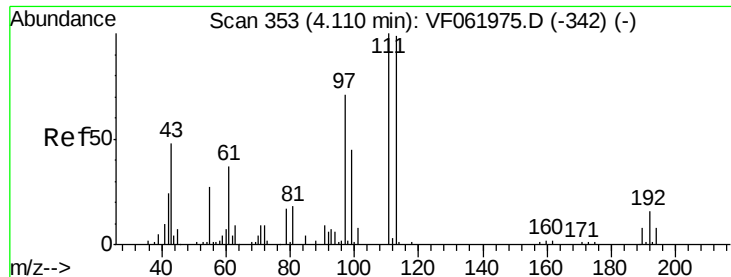


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

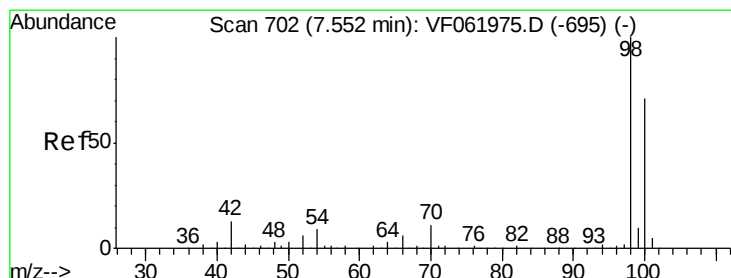
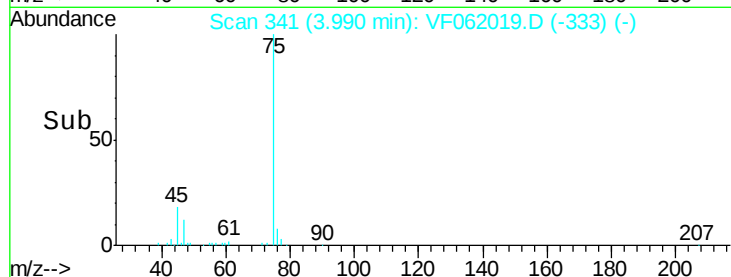
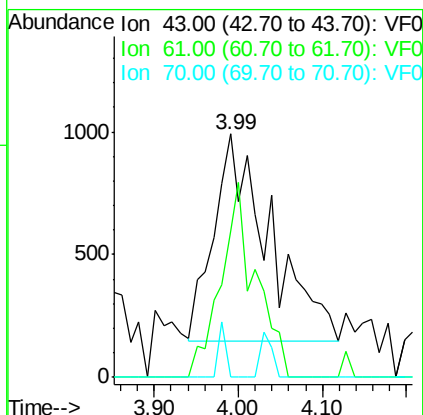
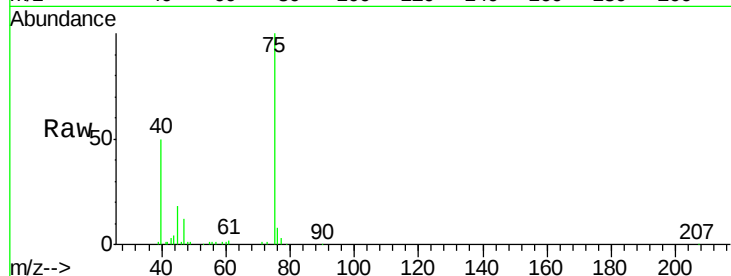




#37
Ethyl Acetate
Concen: 2.585 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.12 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

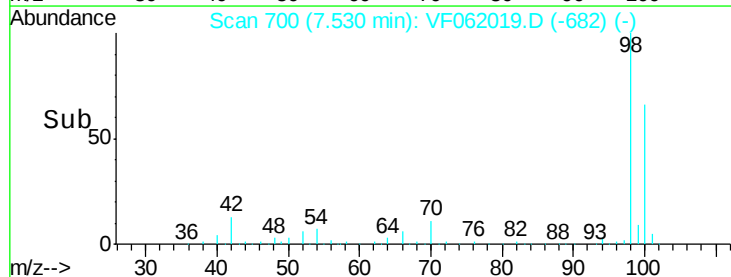
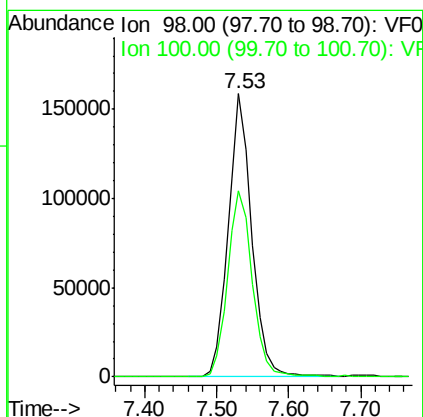
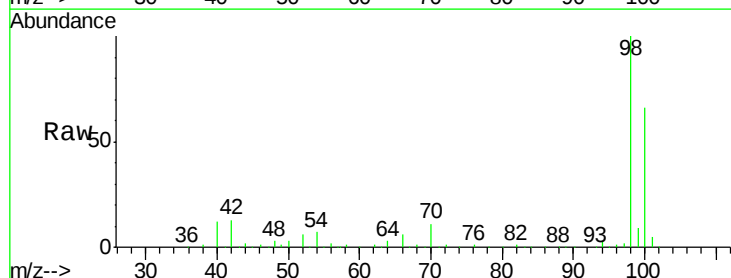
Instrument :
MSVOA_F
ClientSampleId :

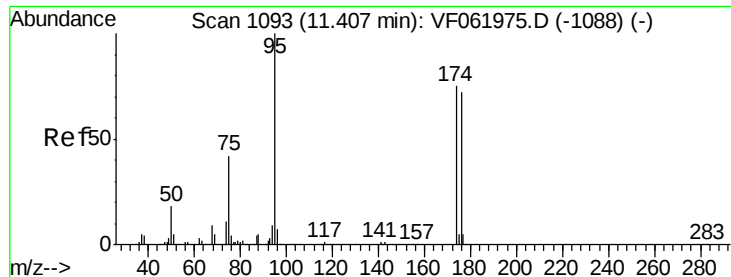
Tot Ion: 43 Resp: 3892
Ion Ratio Lower Upper
43 100
61 60.2 59.8 89.6
70 0.0 7.8 11.8#



#50
Toluene-d8
Concen: 49.435 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF062019.D
Acq: 19 Mar 2019 15:43

Tgt Ion: 98 Resp: 360363
Ion Ratio Lower Upper
98 100
100 65.6 56.8 85.2





#62

4-Bromofluorobenzene

Concen: 44.690 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062019.D

Acq: 19 Mar 2019 15:43

Instrument :

MSVOA_F

ClientSampleId :

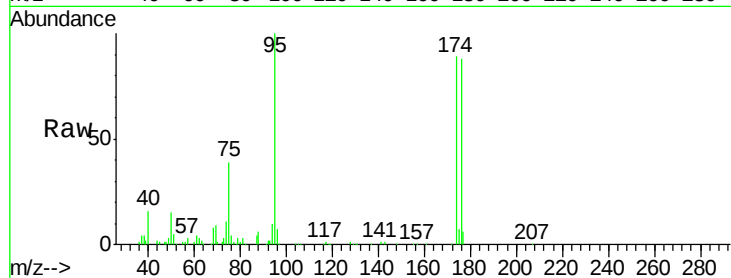
Tot Ion: 95 Resp: 129417

Ion Ratio Lower Upper

95 100

174 89.5 0.0 149.4

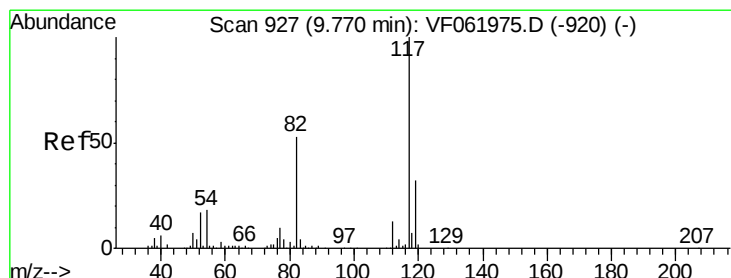
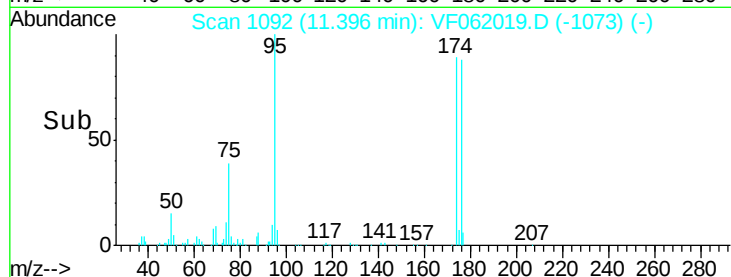
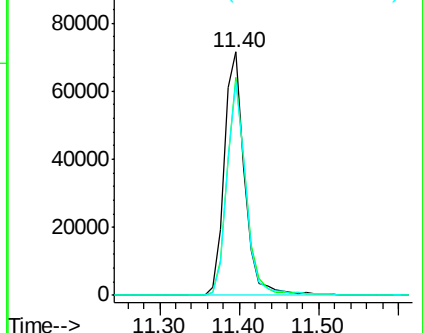
176 87.9 0.0 143.4



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. -0.02 min

Lab File: VF062019.D

Acq: 19 Mar 2019 15:43

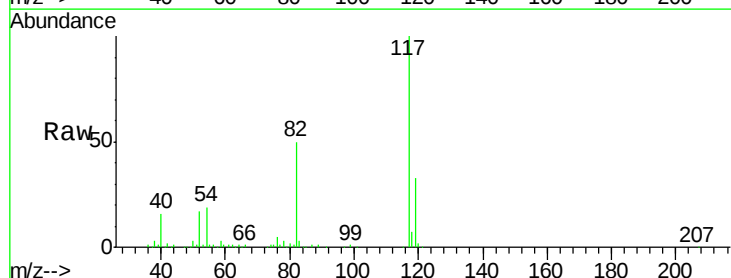
Tgt Ion: 117 Resp: 290616

Ion Ratio Lower Upper

117 100

82 50.1 42.5 63.7

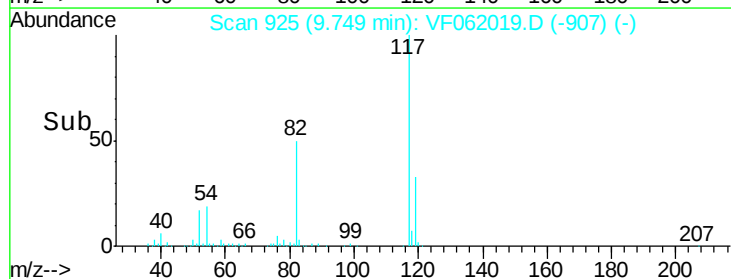
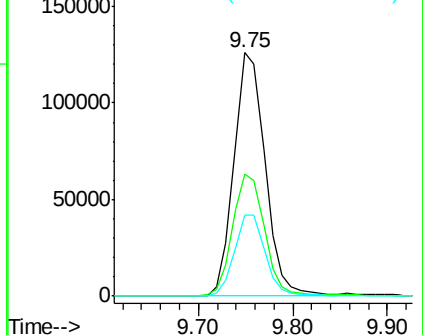
119 33.1 25.4 38.0

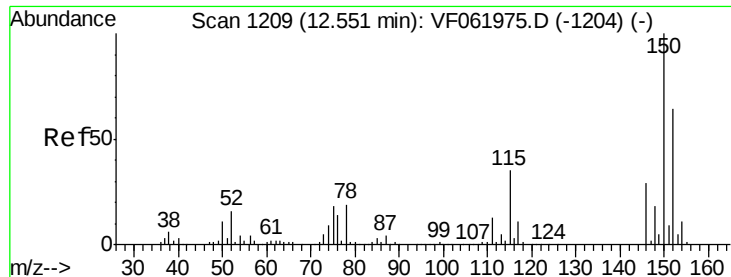


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

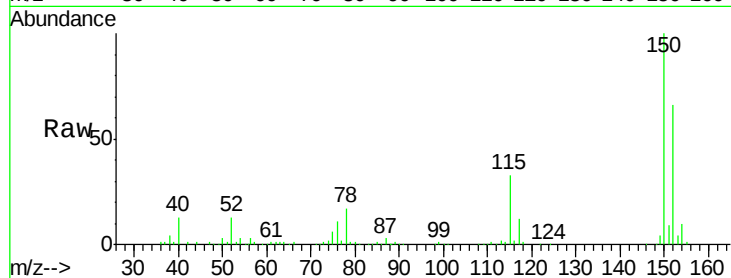




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF062019.D
 Acq: 19 Mar 2019 15:43

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.1	27.3	81.9
150	152.6	0.0	316.2



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

