

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062681.D
 Acq On : 21 May 2019 14:22
 Operator : FY/SY
 Sample : K2970-06
 Misc : 5.45g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

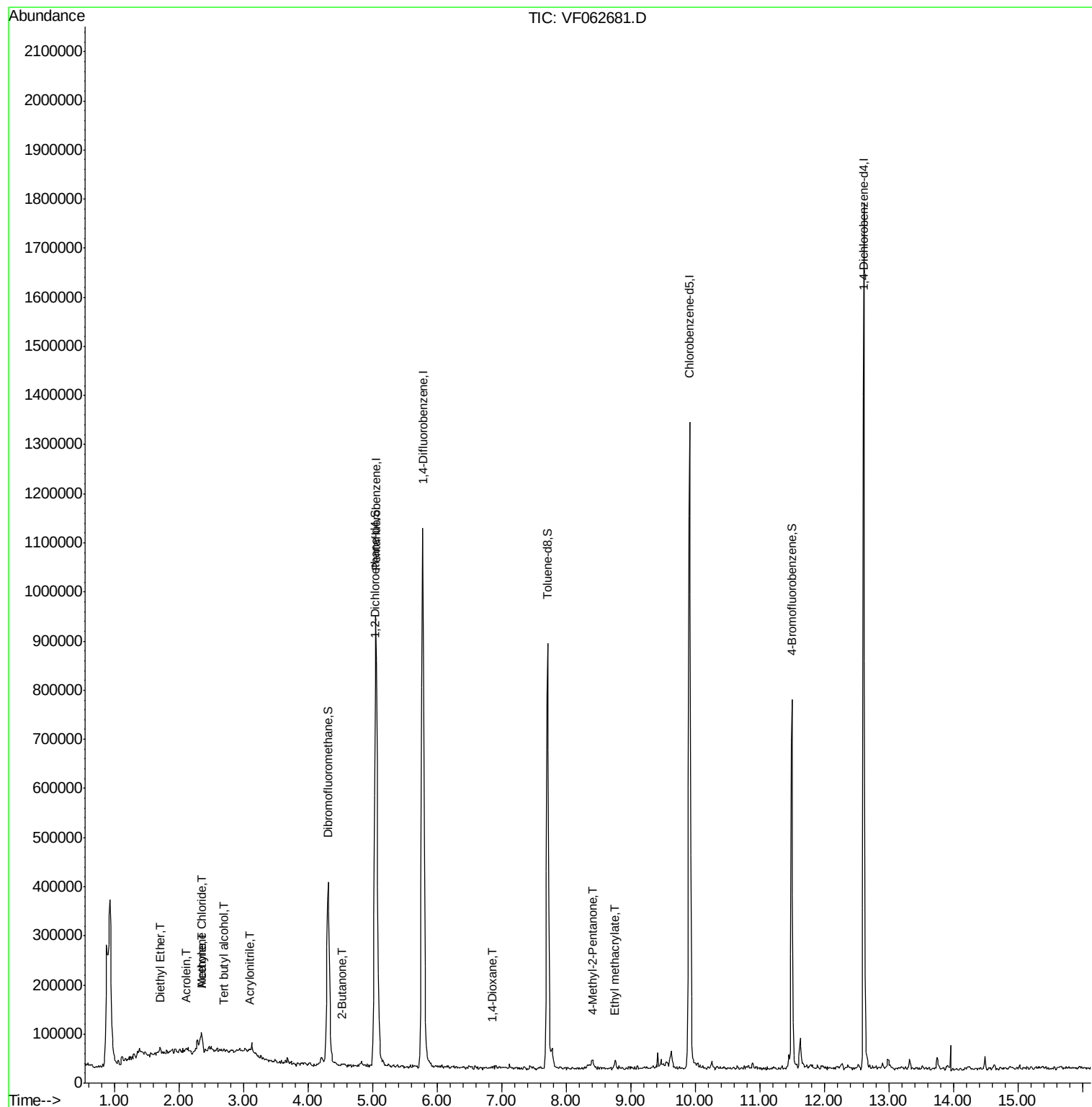
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	891060	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1476246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	1033227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	492218	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	197050	31.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.58%	
35) Dibromofluoromethane	4.31	113	380207	33.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.32%	
50) Toluene-d8	7.71	98	767078	28.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.88%	
62) 4-Bromofluorobenzene	11.50	95	275047	26.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	3418	1.250	ug/l	84
11) Tert butyl alcohol	2.70	59	2818	6.779	ug/l #	34
13) Acrolein	2.12	56	533	1.228	ug/l #	47
15) Acrylonitrile	3.08	53	4773	4.070	ug/l #	70
16) Acetone	2.35	43	38333	23.466	ug/l #	75
20) Methylene Chloride	2.34	84	12765	1.559	ug/l	93
25) 2-Butanone	4.53	43	9863	2.826	ug/l	91
49) 1,4-Dioxane	6.87	88	924	17.249	ug/l #	3
51) 4-Methyl-2-Pentanone	8.41	43	19276	3.524	ug/l	91
56) Ethyl methacrylate	8.76	69	8980	1.178	ug/l	99
59) 2-Hexanone	9.63	43	31095	Below Cal		98
74) N-amyl acetate	11.45	43	19773	Below Cal		94

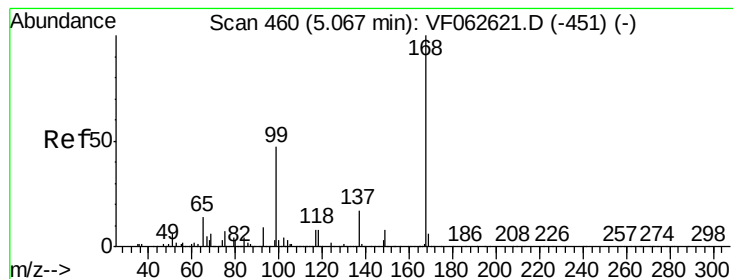
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062681.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_F

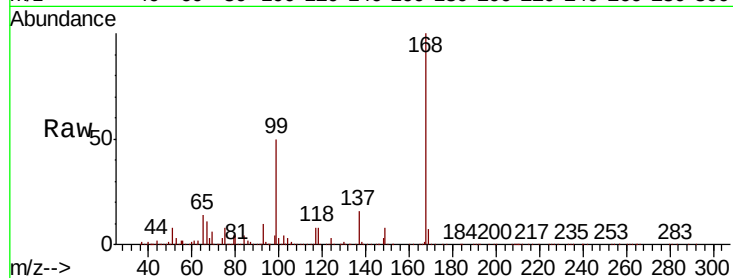
ClientSampleId :

Tot Ion:168 Resp: 891060

Ion Ratio Lower Upper

168 100

99 50.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

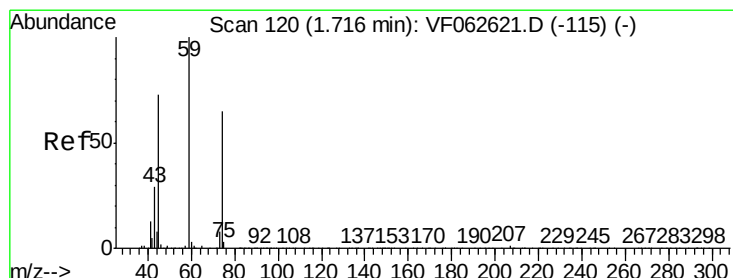
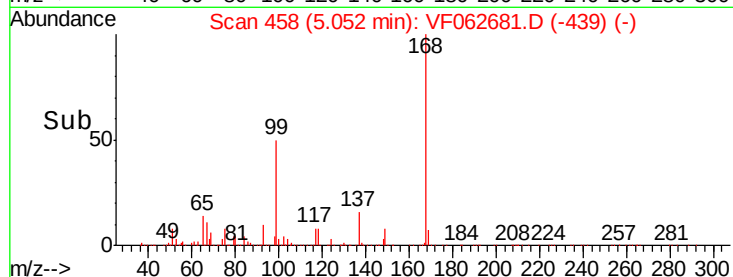
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.250 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF062681.D

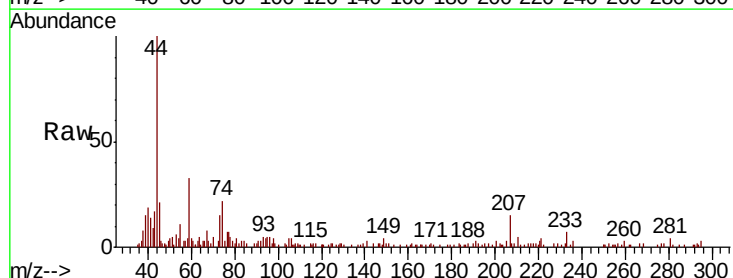
Acq: 21 May 2019 14:22

Tgt Ion: 74 Resp: 3418

Ion Ratio Lower Upper

74 100

45 96.9 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.71

4000

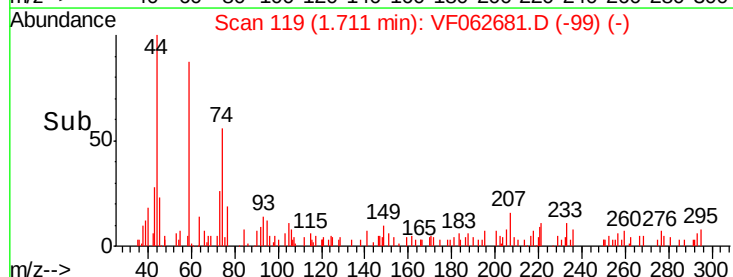
3000

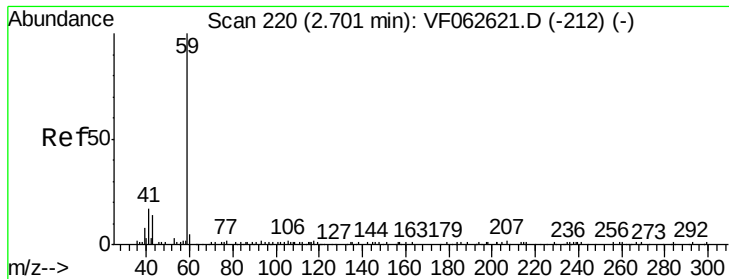
2000

1000

0

Time-->



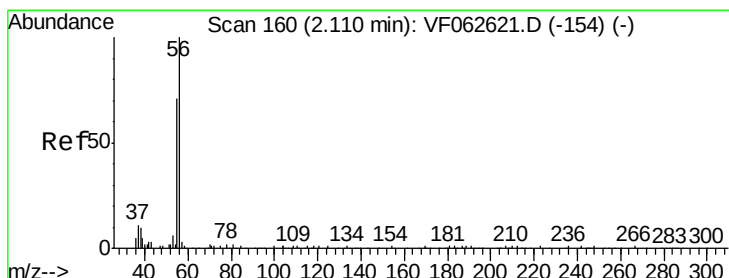
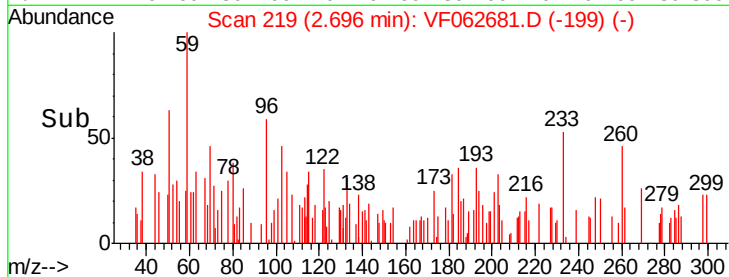
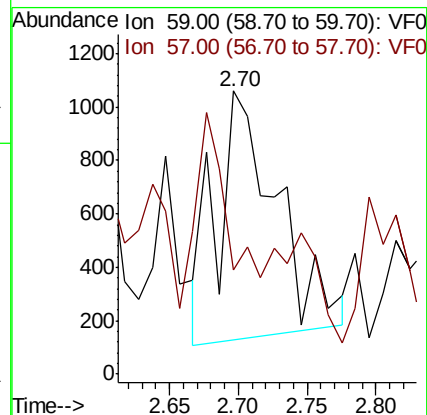
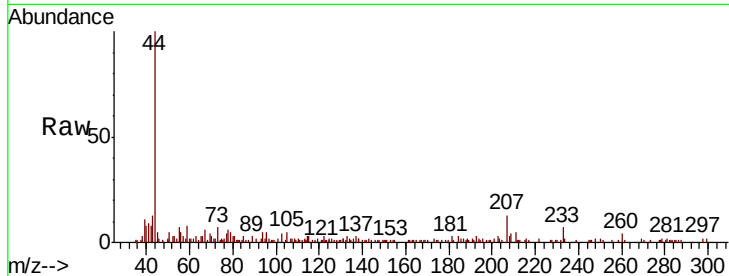


#11

Tert butyl alcohol
Concen: 6.779 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

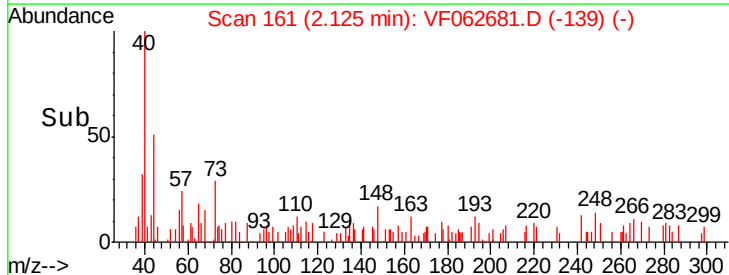
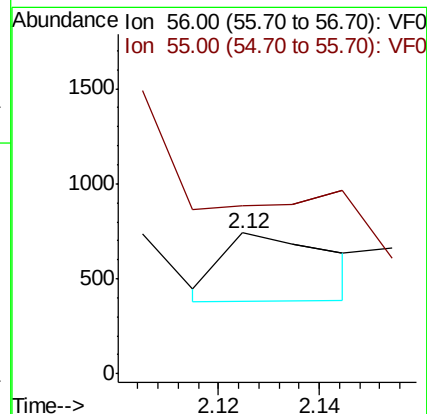
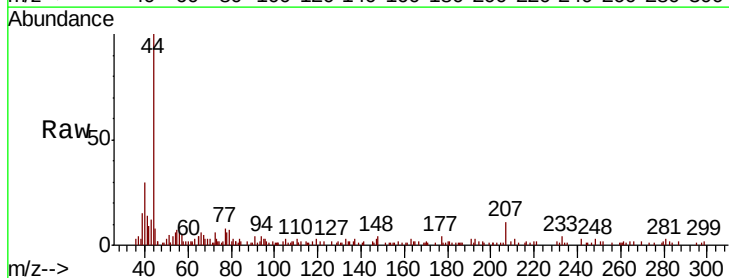
Tot Ion: 59 Resp: 2818
Ion Ratio Lower Upper
59 100
57 37.0 9.3 13.9#

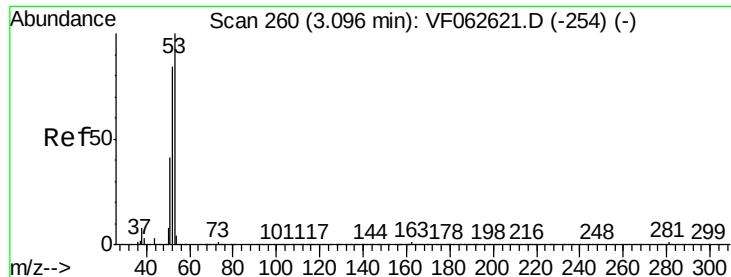


#13

Acrolein
Concen: 1.228 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

Tgt Ion: 56 Resp: 533
Ion Ratio Lower Upper
56 100
55 119.3 59.4 89.0#





#15

Acrylonitrile

Concen: 4.070 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

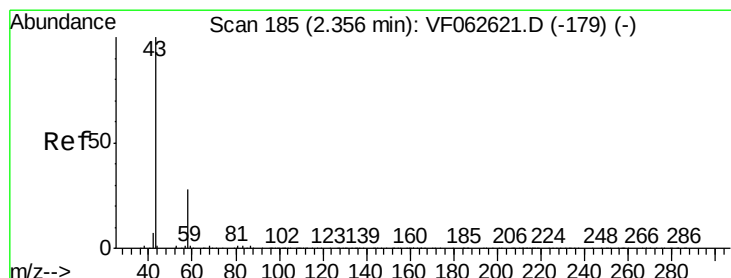
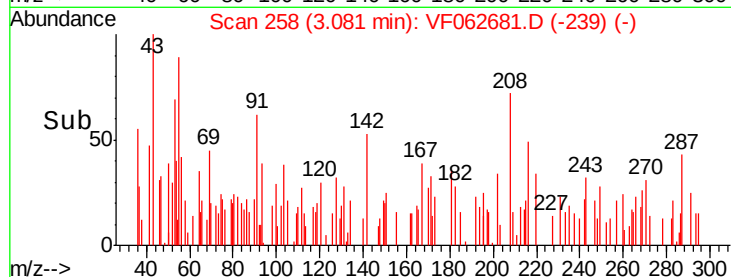
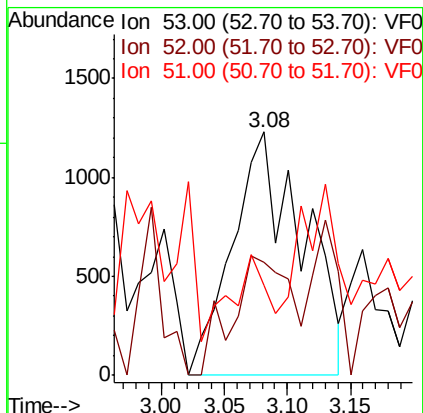
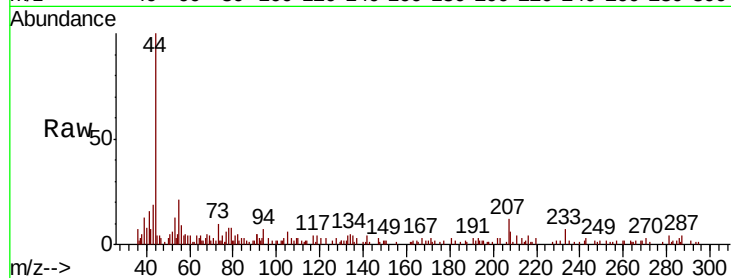
Lab File: VF062681.D

Acq: 21 May 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 4773

Ion	Ratio	Lower	Upper
53	100		
52	46.4	67.3	100.9#
51	36.7	33.0	49.6



#16

Acetone

Concen: 23.466 ug/l

RT: 2.35 min Scan# 184

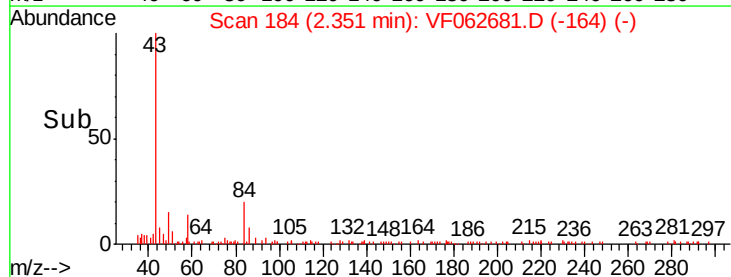
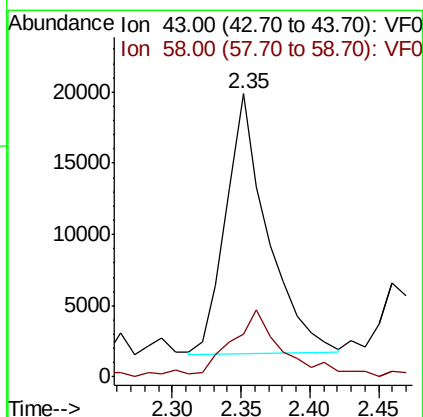
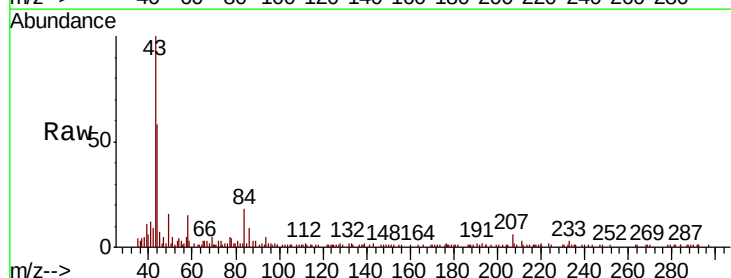
Delta R.T. -0.00 min

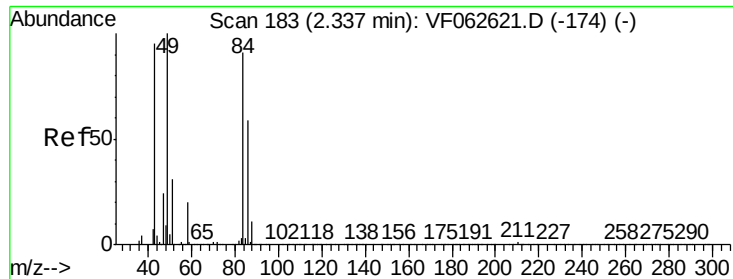
Lab File: VF062681.D

Acq: 21 May 2019 14:22

Tgt Ion: 43 Resp: 38333

Ion	Ratio	Lower	Upper
43	100		
58	15.1	22.6	33.8#

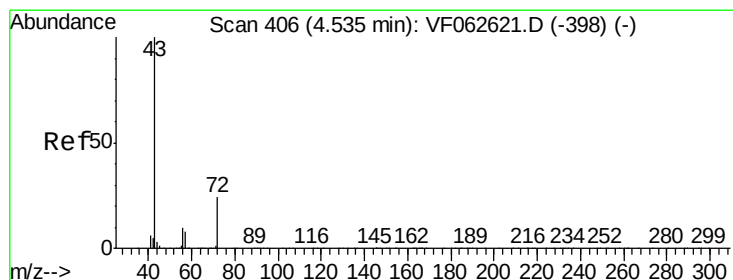
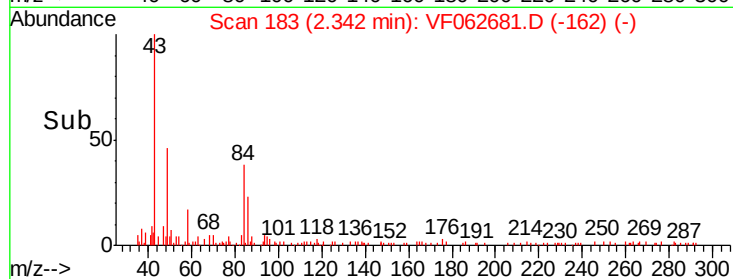
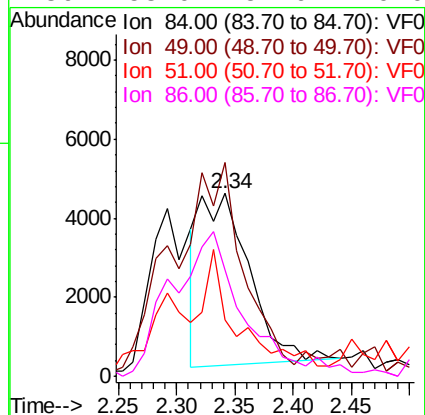
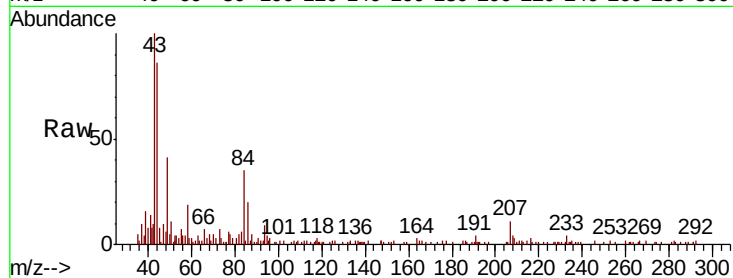




#20
Methylene Chloride
Concen: 1.559 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

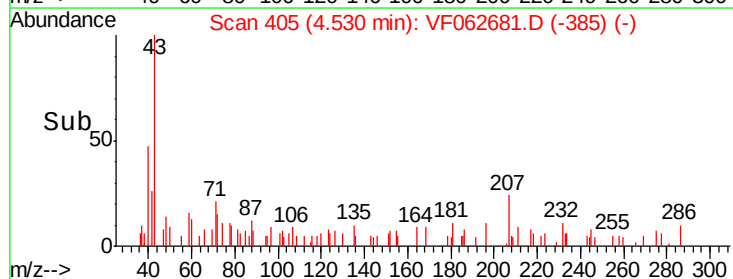
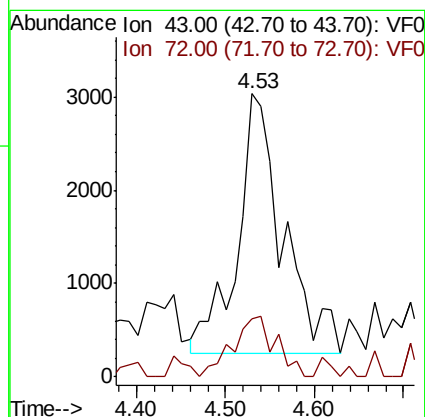
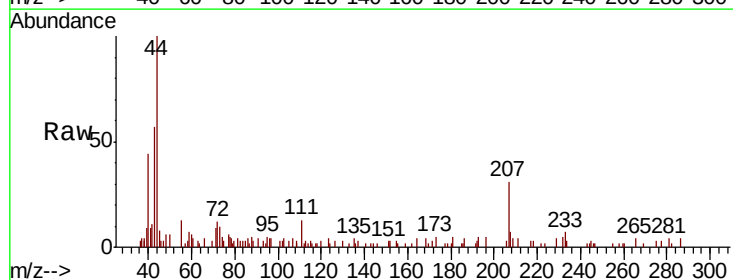
Instrument :
MSVOA_F
ClientSampleId :

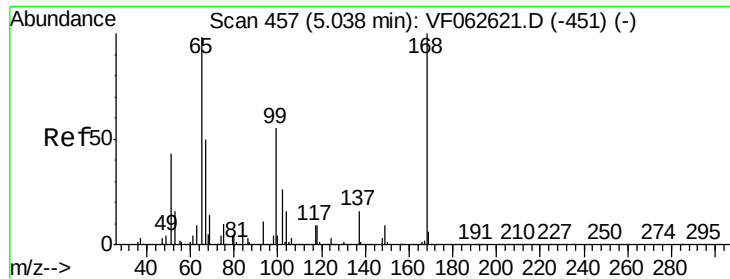
Tot Ion:	84	Resp:	12765
Ion	Ratio	Lower	Upper
84	100		
49	117.0	89.8	134.8
51	30.6	28.4	42.6
86	58.0	52.6	79.0



#25
2-Butanone
Concen: 2.826 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

Tgt Ion:	43	Resp:	9863
Ion	Ratio	Lower	Upper
43	100		
72	20.6	20.1	30.1

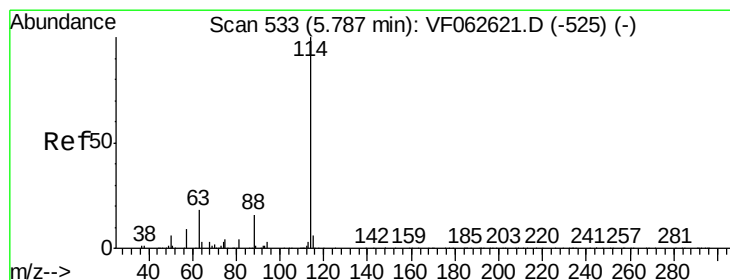
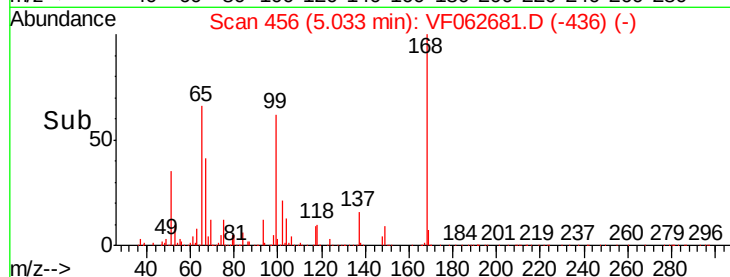
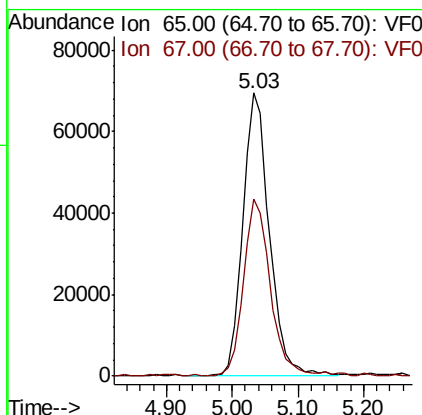
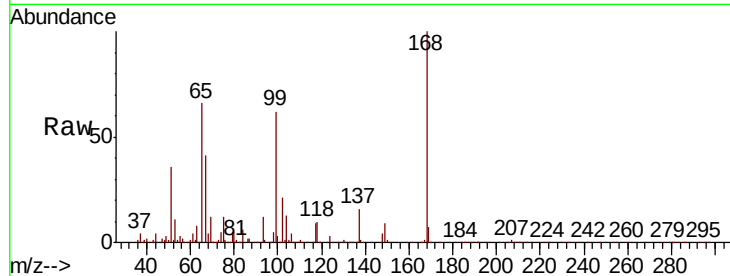




#33
 1,2-Dichloroethane-d4
 Concen: 31.294 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF062681.D
 Acq: 21 May 2019 14:22

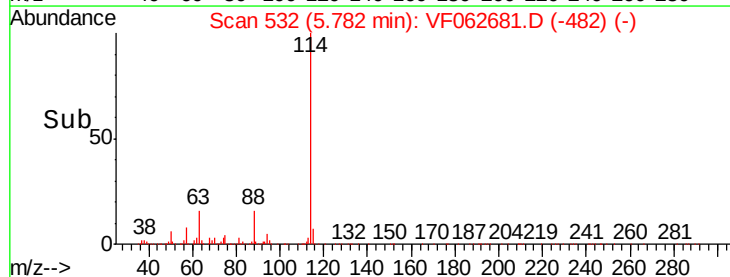
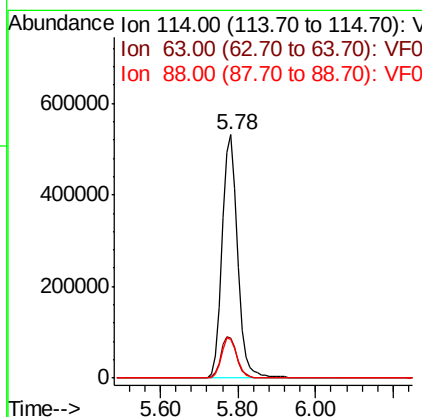
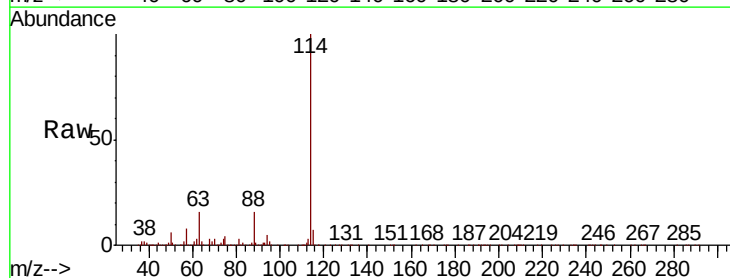
Instrument :
 MSVOA_F
 ClientSampleId :

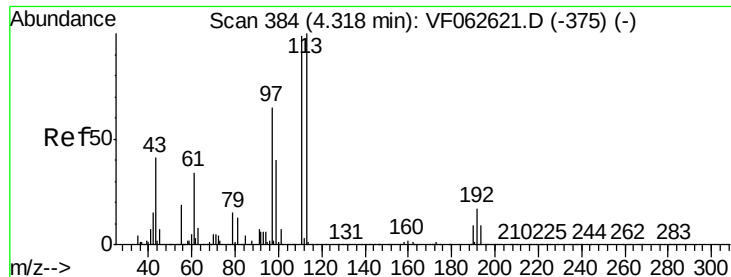
Tot Ion: 65 Resp: 197050
 Ion Ratio Lower Upper
 65 100
 67 62.8 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF062681.D
 Acq: 21 May 2019 14:22

Tgt Ion: 114 Resp: 1476246
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 35.4
 88 16.1 0.0 32.4

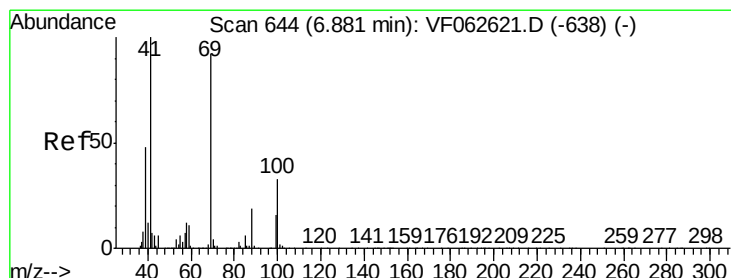
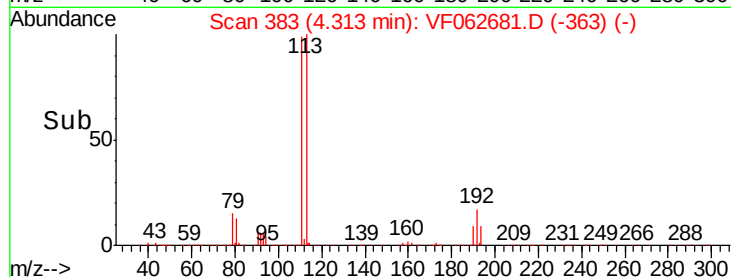
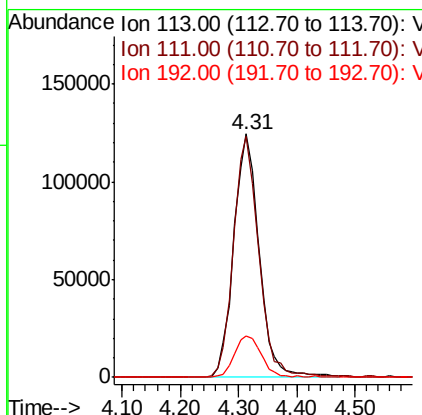
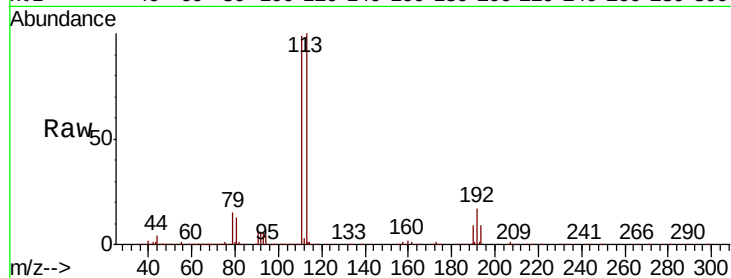




#35
 Dibromofluoromethane
 Concen: 33.658 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF062681.D
 Acq: 21 May 2019 14:22

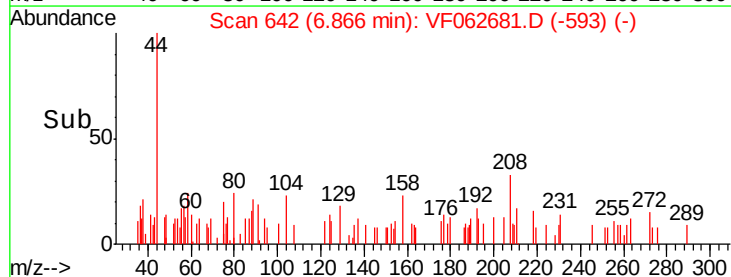
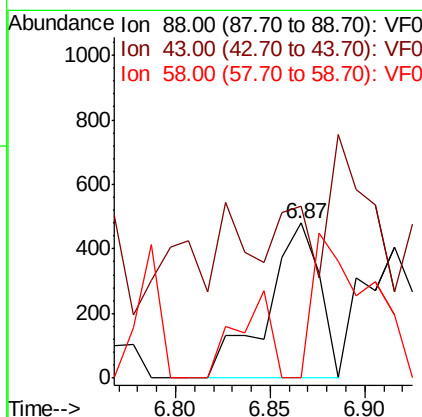
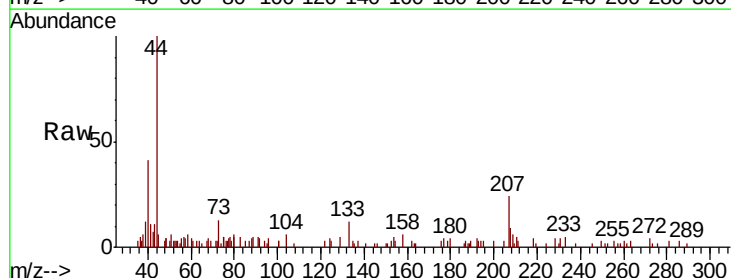
Instrument :
 MSVOA_F
 ClientSampleId :

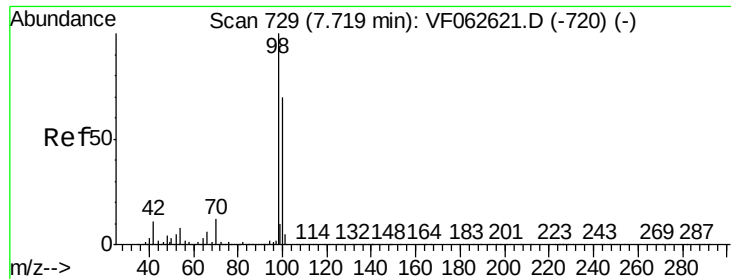
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	79.4	119.2
192	17.1	13.4	20.2



#49
 1,4-Dioxane
 Concen: 17.249 ug/l
 RT: 6.87 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF062681.D
 Acq: 21 May 2019 14:22

Tgt Ion	Ratio	Lower	Upper
88	100		
43	110.6	30.0	45.0#
58	0.0	51.1	76.7#

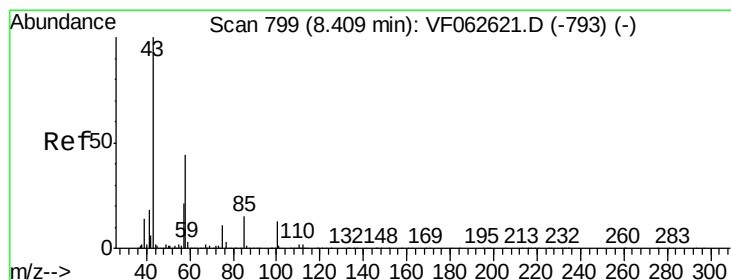
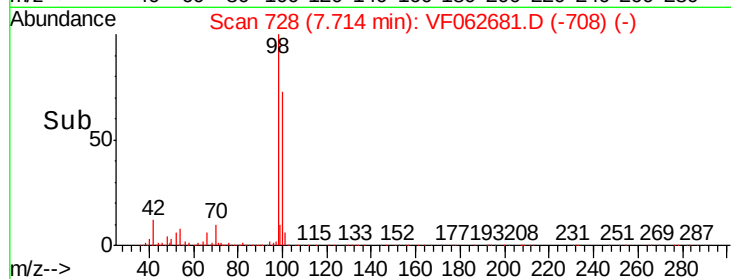
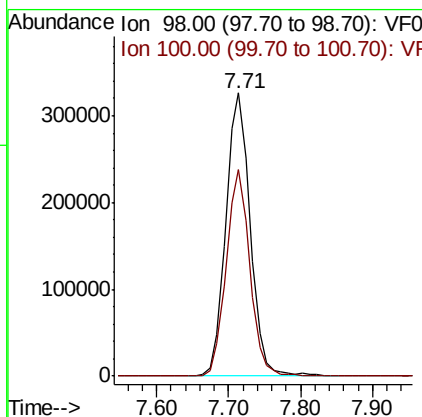
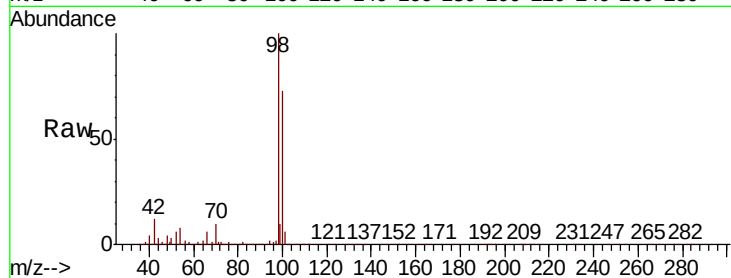




#50
Toluene-d8
Concen: 28.441 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

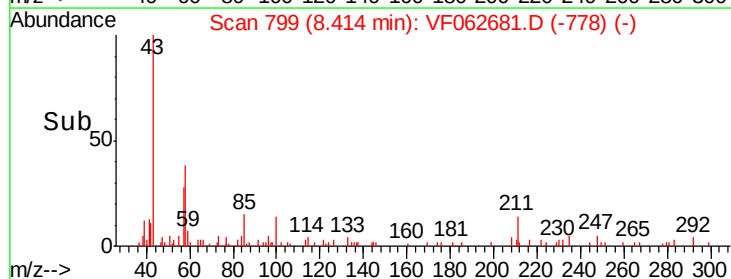
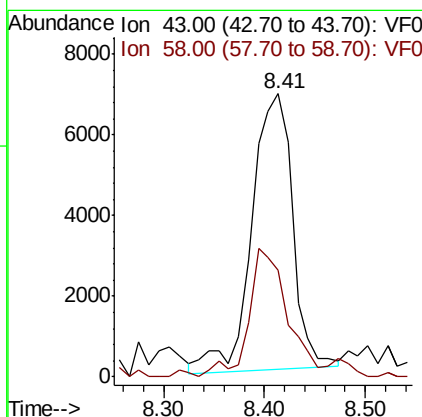
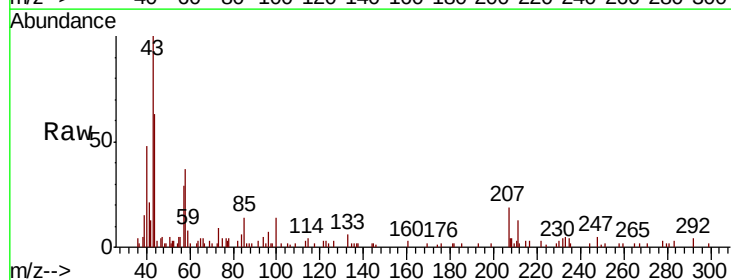
Instrument :
MSVOA_F
ClientSampleId :

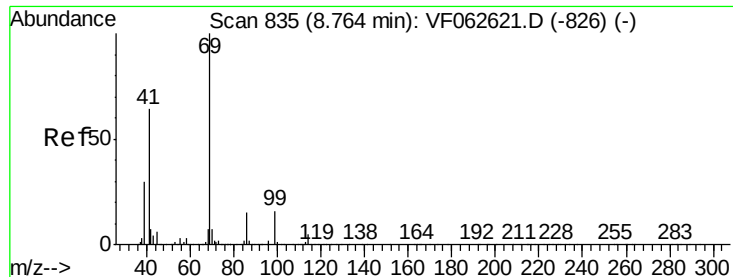
Tot Ion: 98 Resp: 767078
Ion Ratio Lower Upper
98 100
100 73.1 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 3.524 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

Tgt Ion: 43 Resp: 19276
Ion Ratio Lower Upper
43 100
58 37.5 34.9 52.3





#56

Ethyl methacrylate

Concen: 1.178 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062681.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

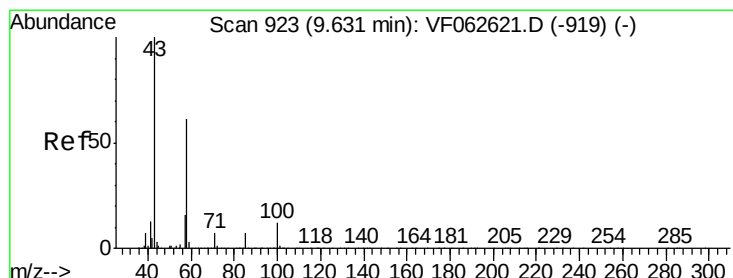
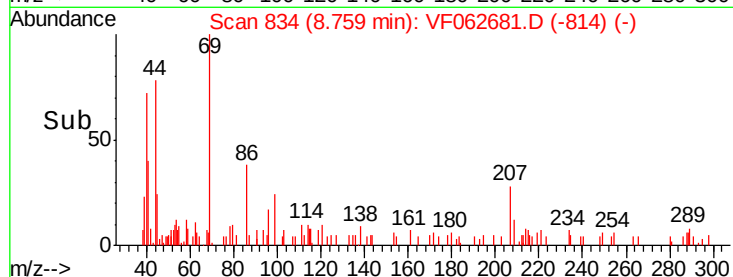
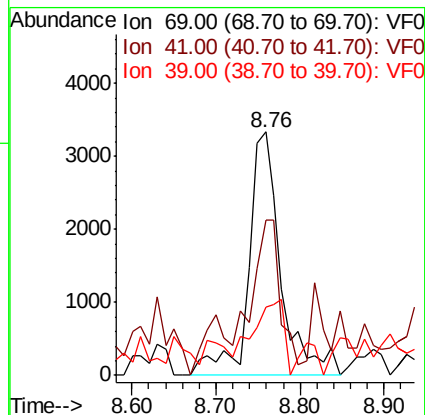
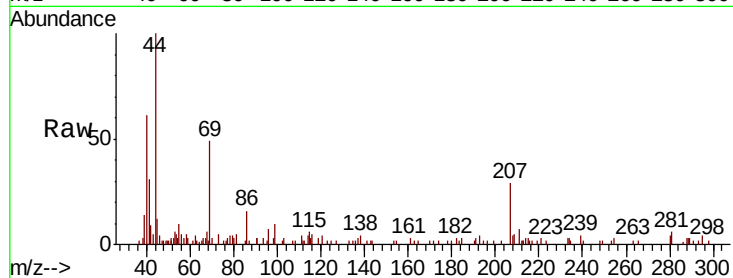
Tot Ion: 69 Resp: 8980

Ion Ratio Lower Upper

69 100

41 63.9 51.4 77.2

39 28.1 23.6 35.4



#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 922

Delta R.T. -0.00 min

Lab File: VF062681.D

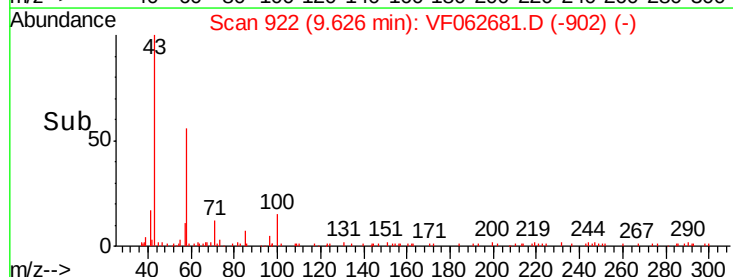
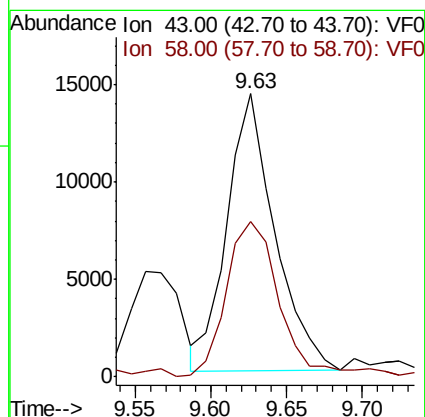
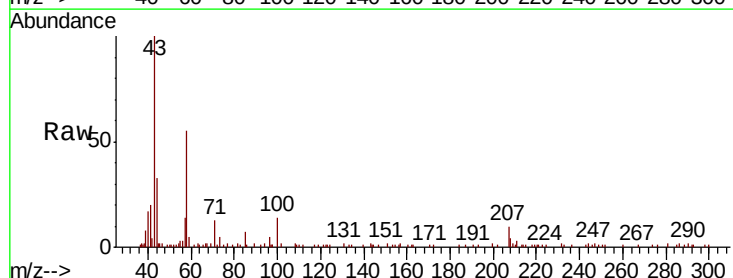
Acq: 21 May 2019 14:22

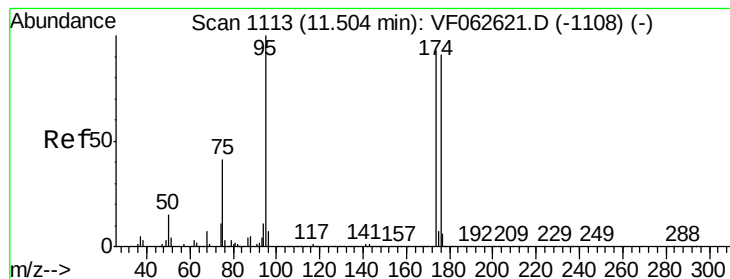
Tgt Ion: 43 Resp: 31095

Ion Ratio Lower Upper

43 100

58 55.0 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 26.888 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062681.D

Acq: 21 May 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

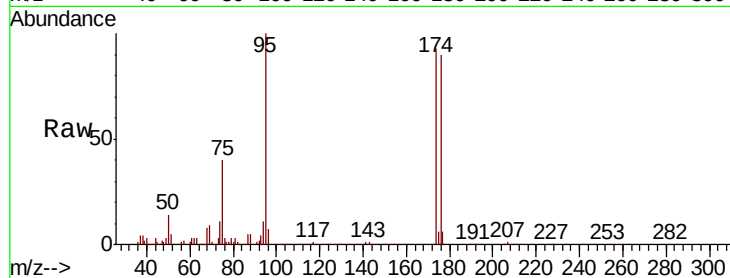
Tot Ion: 95 Resp: 275047

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.6

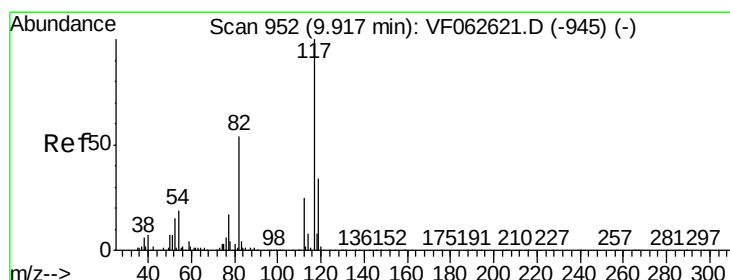
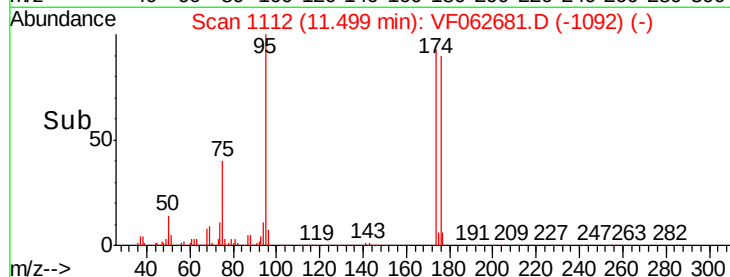
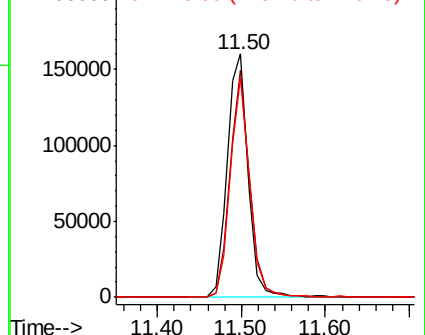
176 90.2 0.0 182.4



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: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF062681.D

Acq: 21 May 2019 14:22

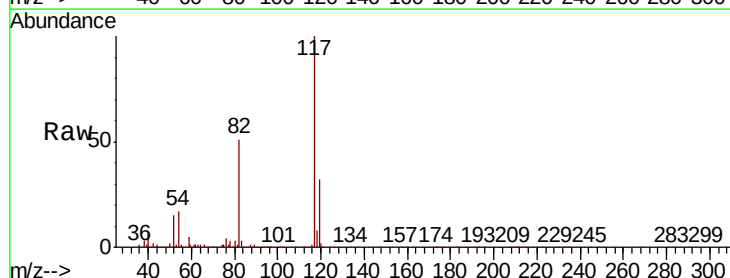
Tgt Ion: 117 Resp: 1033227

Ion Ratio Lower Upper

117 100

82 51.4 43.3 64.9

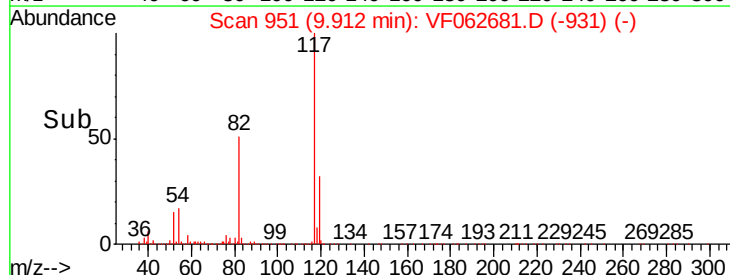
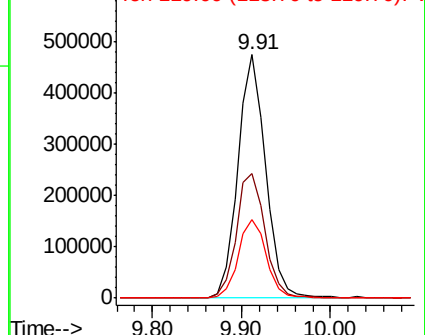
119 32.4 27.4 41.0

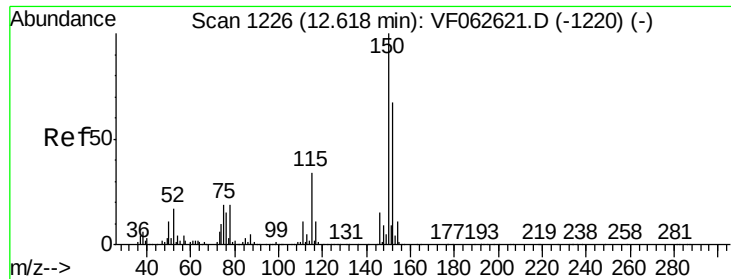


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



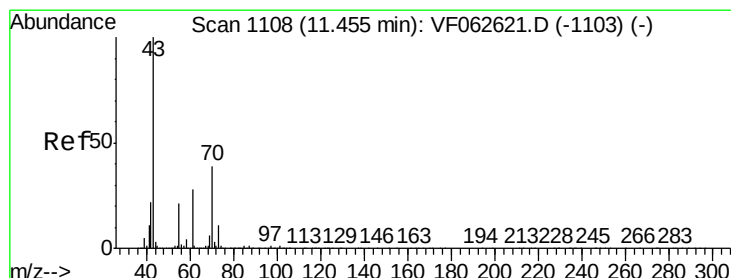
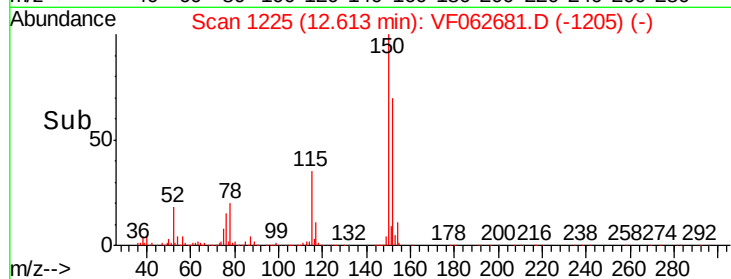
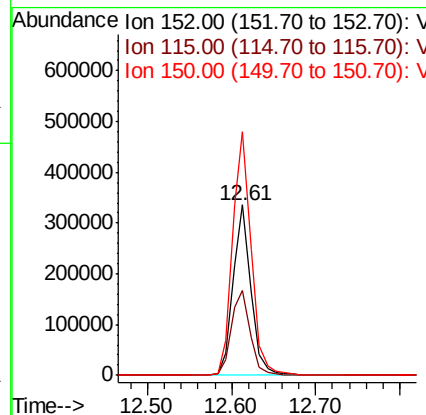
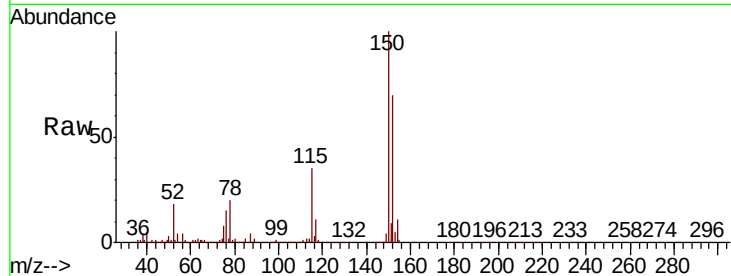


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.7	25.2	75.6
150	143.2	0.0	306.2



#74

N-amyl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VF062681.D
Acq: 21 May 2019 14:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.1	30.9	46.3
55	20.3	17.0	25.4
61	23.0	22.6	34.0

