

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062275.D
 Acq On : 23 Apr 2019 20:42
 Operator : FY/SY
 Sample : K2515-22
 Misc : 4.62g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 06:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

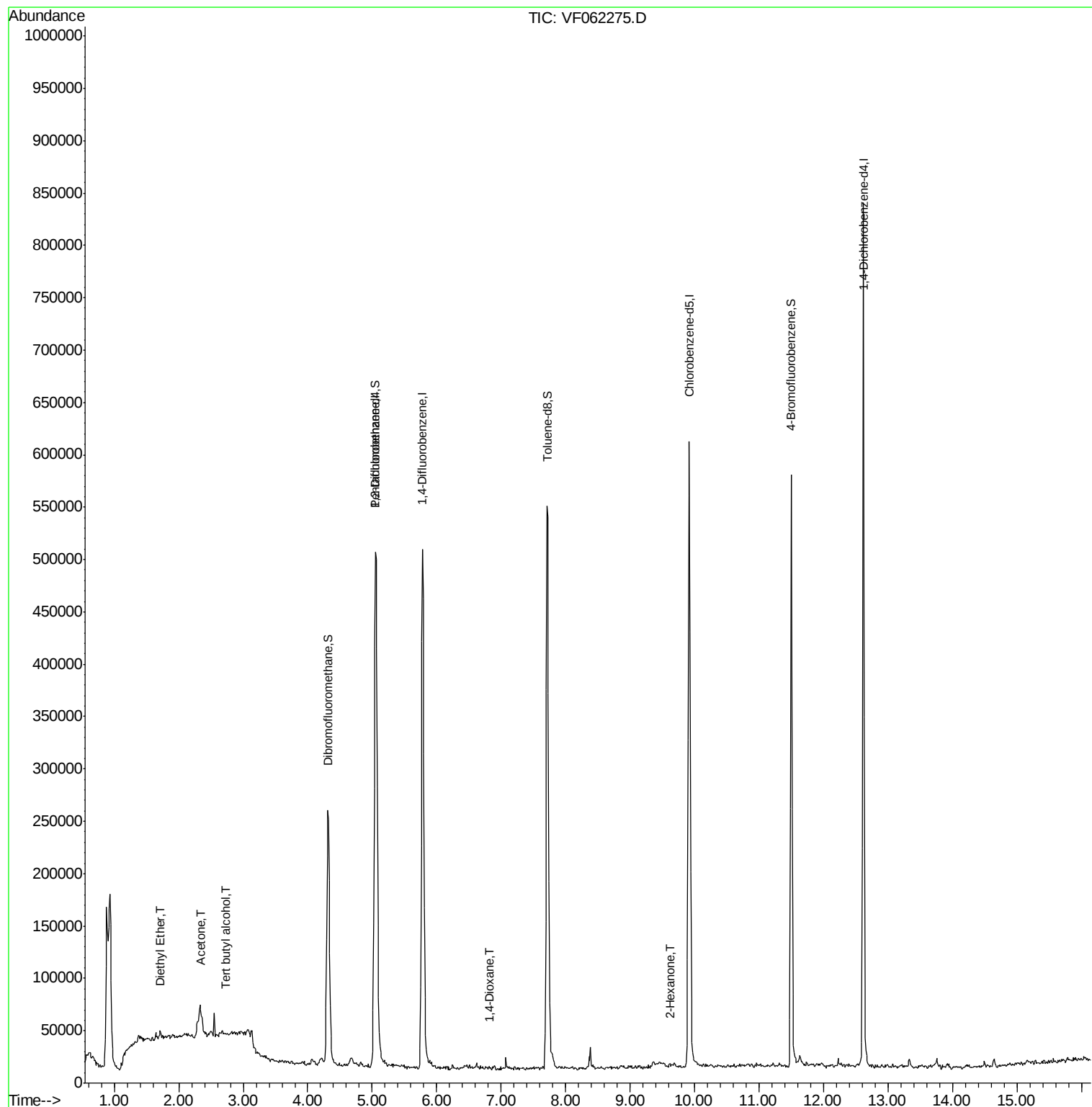
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	428067	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	596490	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	472880	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	237513	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	186584	47.54	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.08%	
35) Dibromofluoromethane	4.31	113	238397	45.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.38%	
50) Toluene-d8	7.71	98	501429	37.96	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.92%	
62) 4-Bromofluorobenzene	11.50	95	215345	42.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	84.76%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	3158	2.068	ug/l	83
11) Tert butyl alcohol	2.72	59	1008	3.694	ug/l #	70
13) Acrolein	2.08	56	535	Below Cal	#	1
16) Acetone	2.35	43	3898	4.155	ug/l #	65
18) Methyl Acetate	2.49	43	2469	Below Cal	#	40
20) Methylene Chloride	2.33	84	25209	Below Cal		93
49) 1,4-Dioxane	6.82	88	65	2.430	ug/l #	30
59) 2-Hexanone	9.62	43	2312	1.541	ug/l	100
74) N-amyl acetate	11.42	43	1159	Below Cal	#	69
89) n-Butylbenzene	12.90	91	1221	Below Cal	#	67

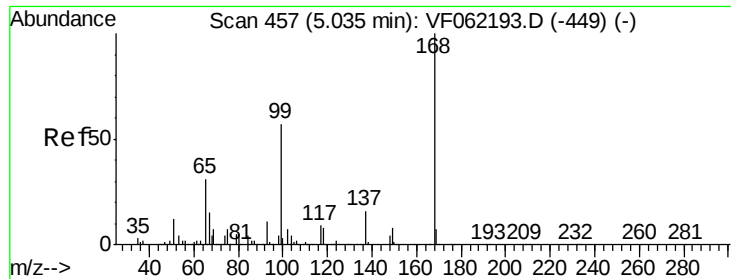
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

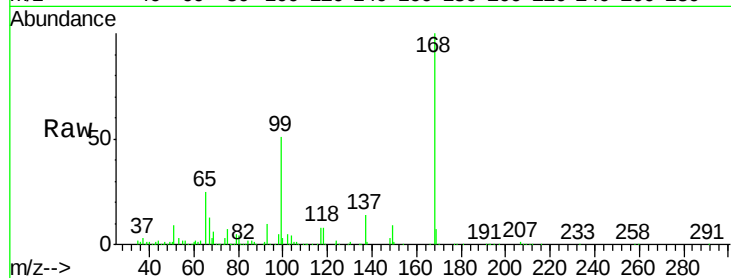
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 428067

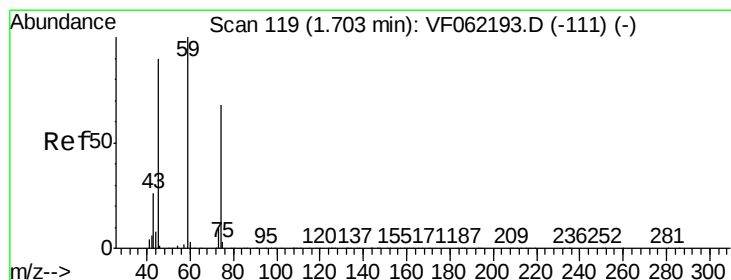
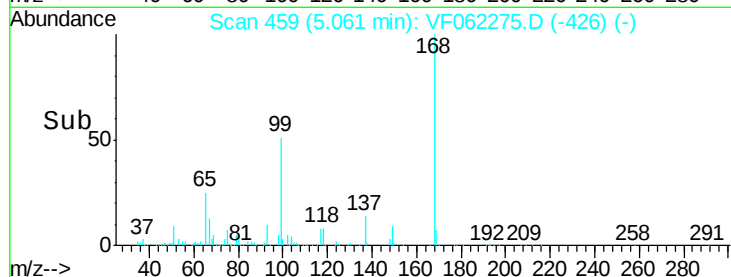
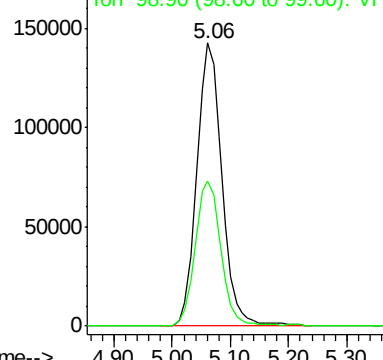
Ion Ratio Lower Upper

168 100

99 51.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0



#8

Diethyl Ether

Concen: 2.068 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF062275.D

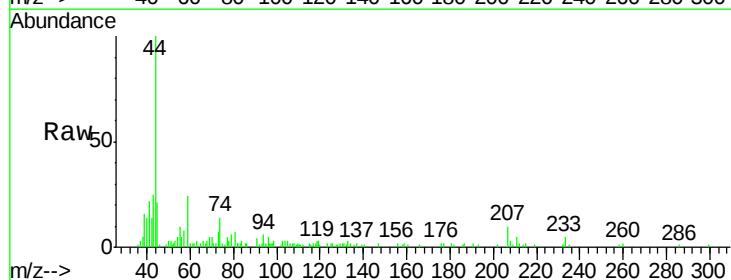
Acq: 23 Apr 2019 20:42

Tgt Ion: 74 Resp: 3158

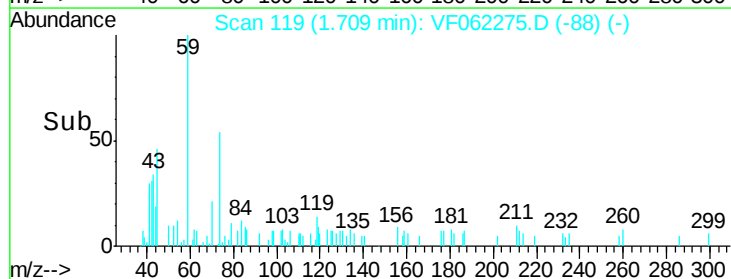
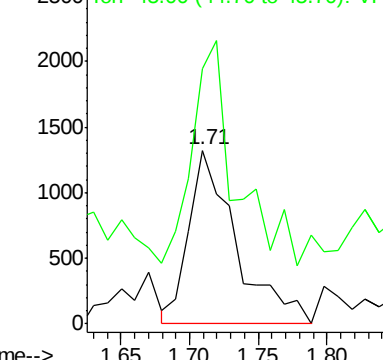
Ion Ratio Lower Upper

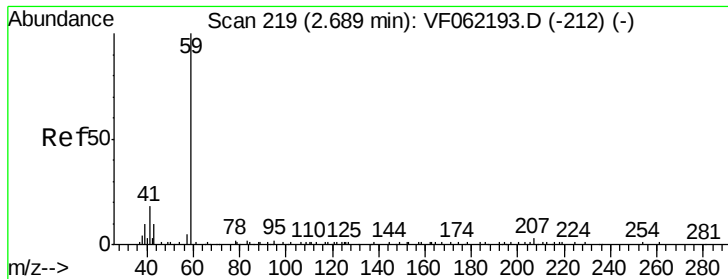
74 100

45 119.8 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0



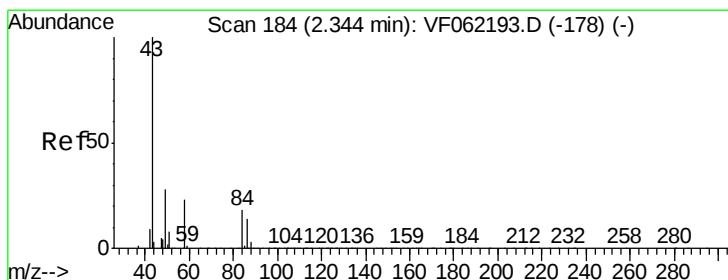
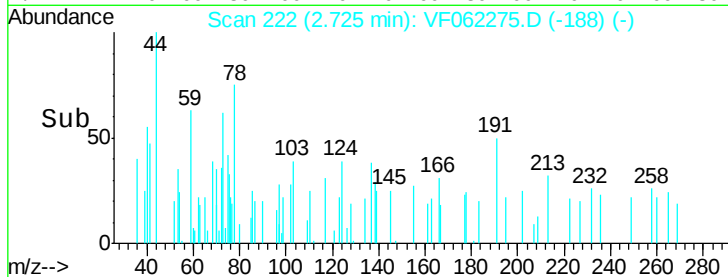
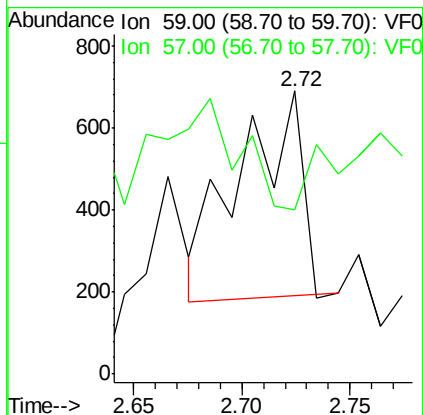
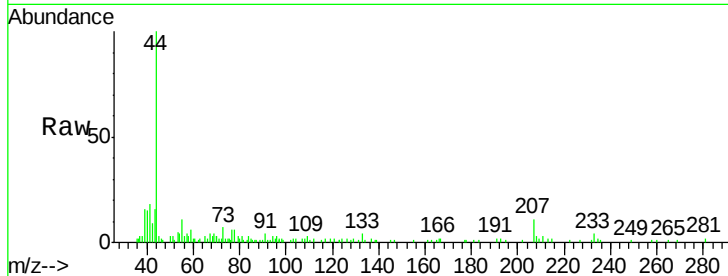


#11

Tert butyl alcohol
Concen: 3.694 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.04 min
Lab File: VF062275.D
Acq: 23 Apr 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :

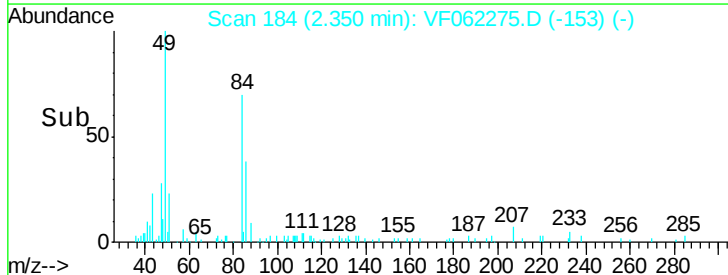
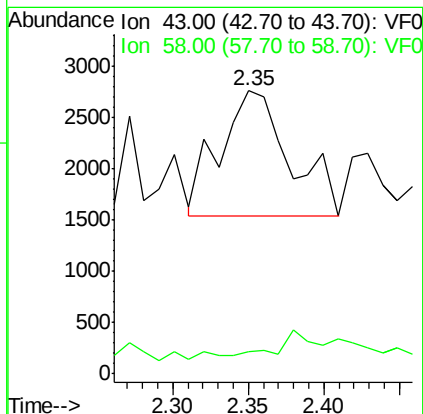
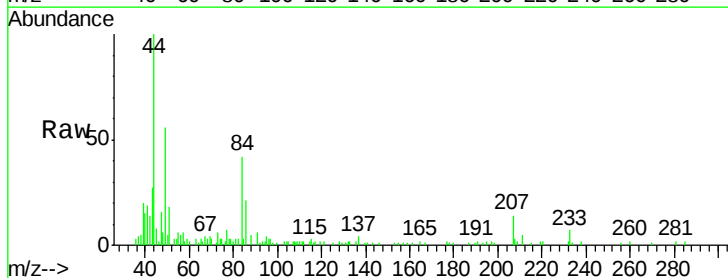
Tot Ion: 59 Resp: 1008
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

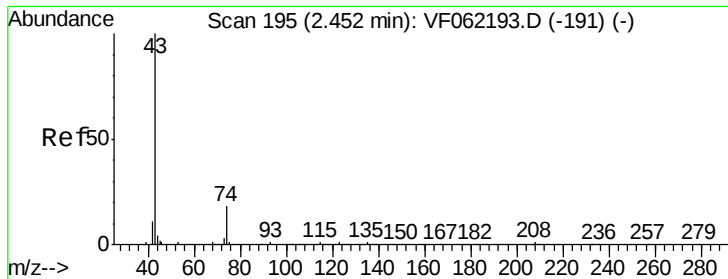


#16

Acetone
Concen: 4.155 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062275.D
Acq: 23 Apr 2019 20:42

Tgt Ion: 43 Resp: 3898
Ion Ratio Lower Upper
43 100
58 6.2 18.8 28.2#

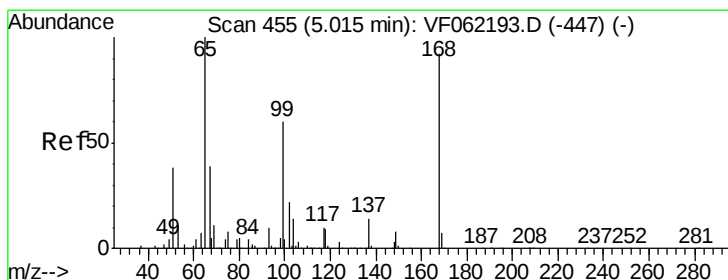
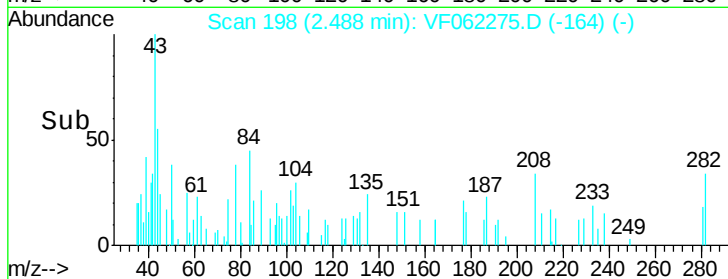
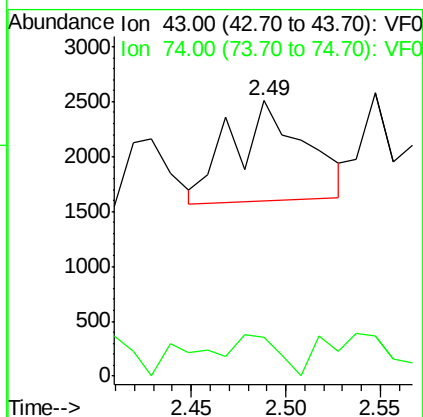
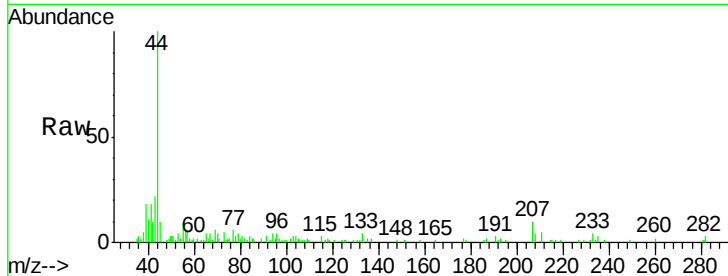




#18
Methvl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF062275.D
Acq: 23 Apr 2019 20:42

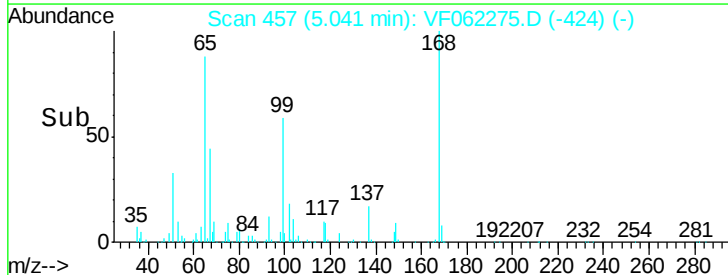
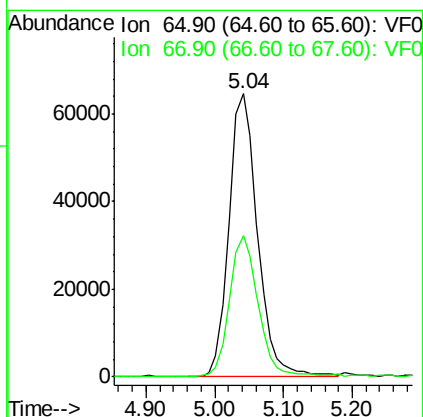
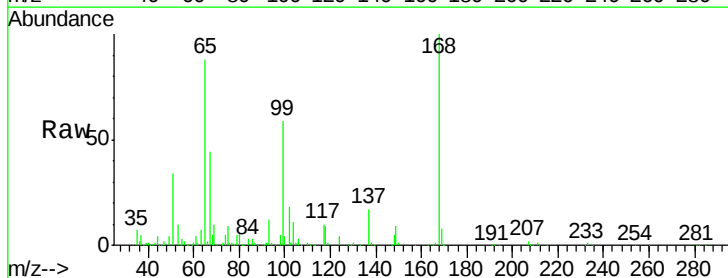
Instrument :
MSVOA_F
ClientSampleId :

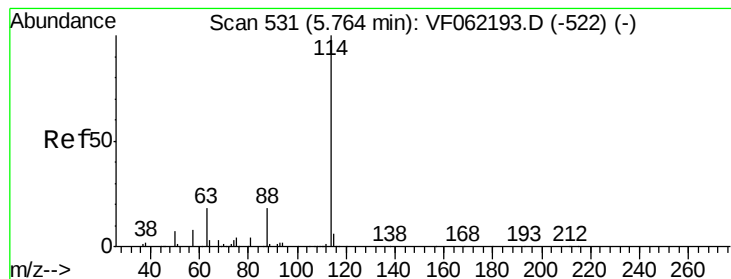
Tot Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
74 44.5 14.5 21.7#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.03 min
Lab File: VF062275.D
Acq: 23 Apr 2019 20:42

Tgt Ion: 65 Resp: 186584
Ion Ratio Lower Upper
65 100
67 49.9 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.02 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

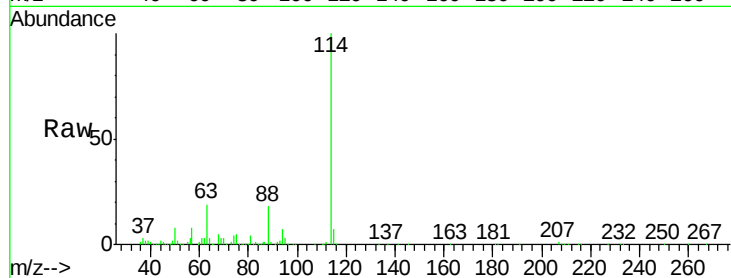
Tot Ion:114 Resp: 596490

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.6

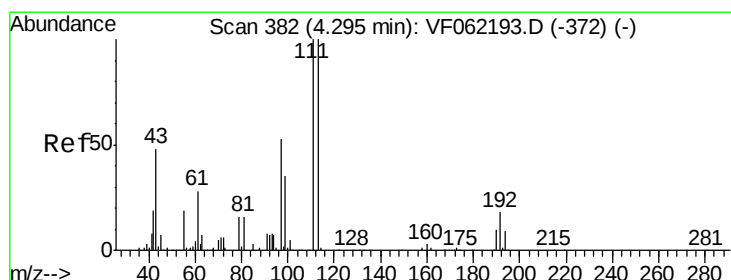
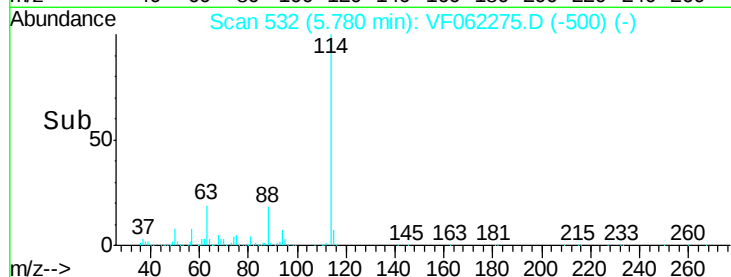
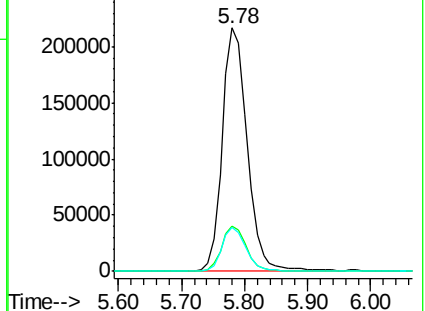
88 18.1 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

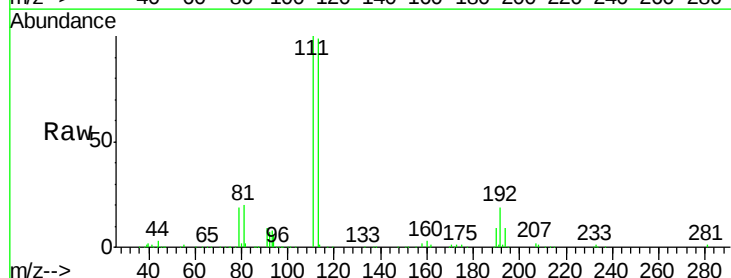
Tgt Ion:113 Resp: 238397

Ion Ratio Lower Upper

113 100

111 100.2 81.1 121.7

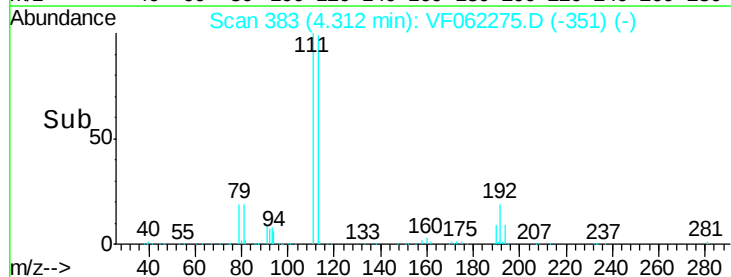
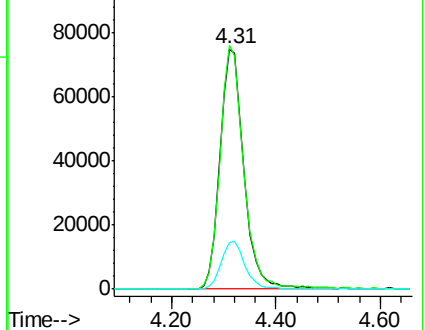
192 19.8 14.7 22.1

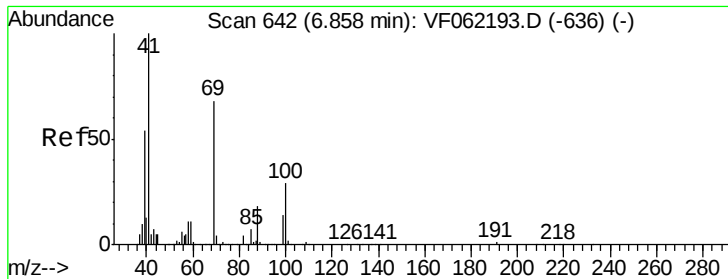


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: 2.430 ug/l

RT: 6.82 min Scan# 637

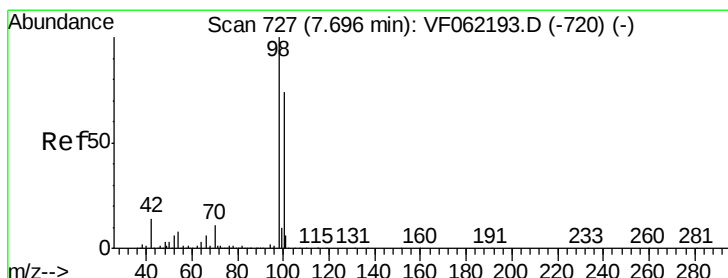
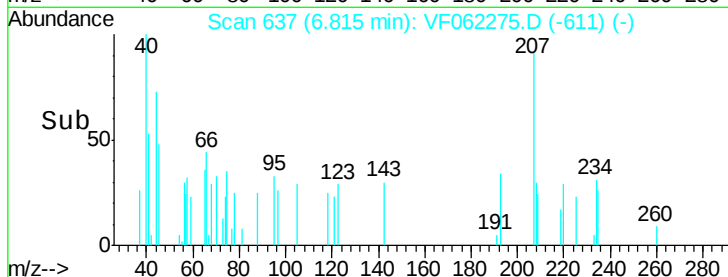
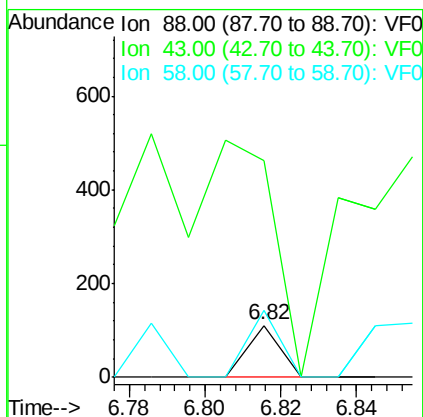
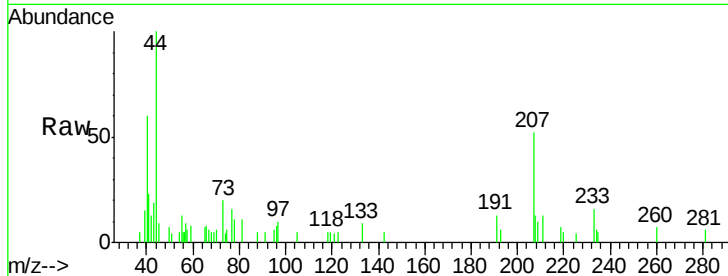
Delta R.T. -0.04 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	65
Ion	Ratio	Lower	Upper
88	100		
43	0.0	36.9	55.3#
58	129.2	56.8	85.2#



#50

Toluene-d8

Concen: 2.430 ug/l

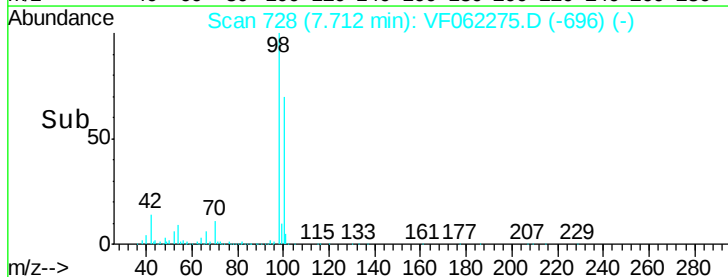
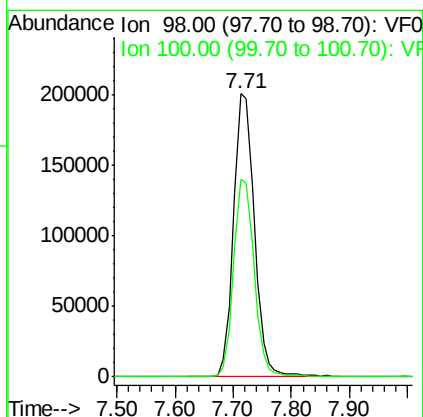
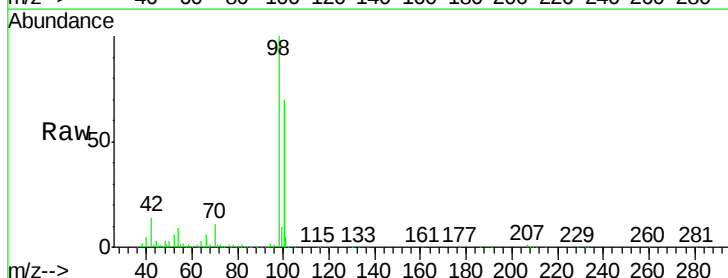
RT: 7.71 min Scan# 728

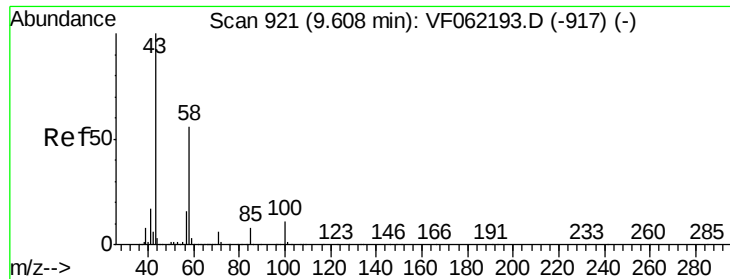
Delta R.T. 0.02 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

Tgt Ion:	98	Resp:	501429
Ion	Ratio	Lower	Upper
98	100		
100	69.2	56.2	84.2

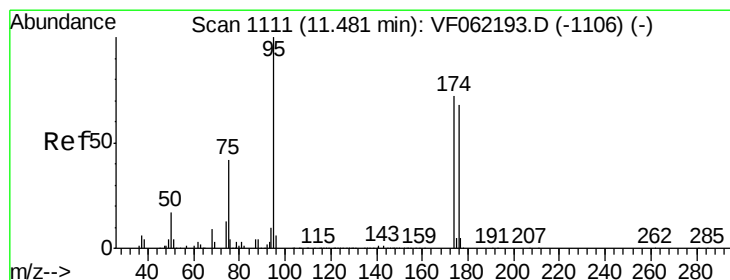
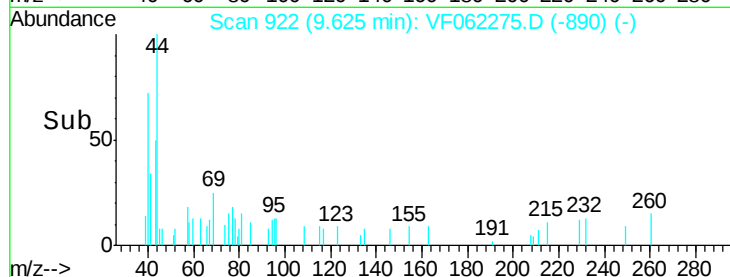
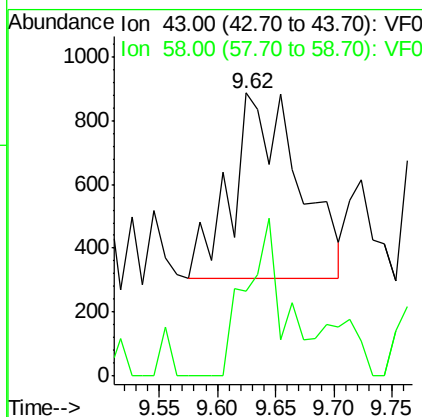
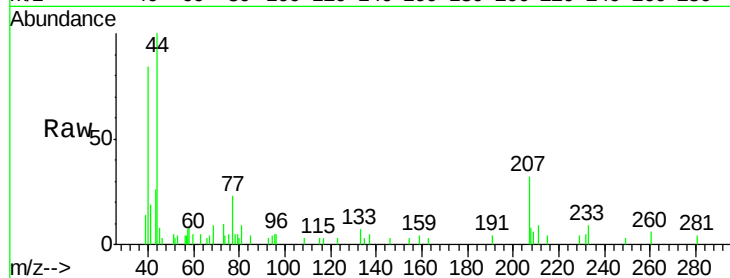




#59
2-Hexanone
Concen: 1.541 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.02 min
Lab File: VF062275.D
Acq: 23 Apr 2019 20:42

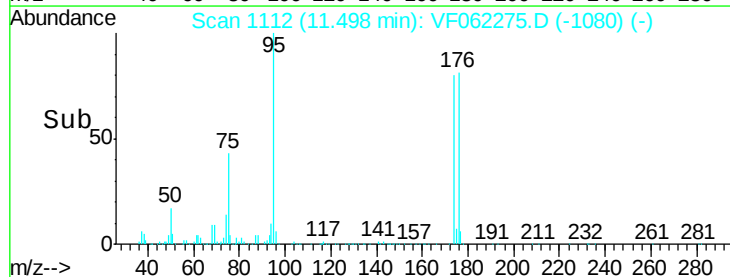
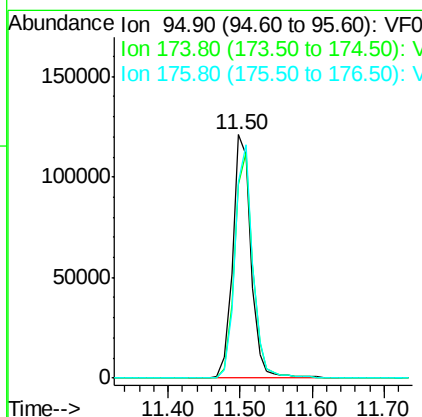
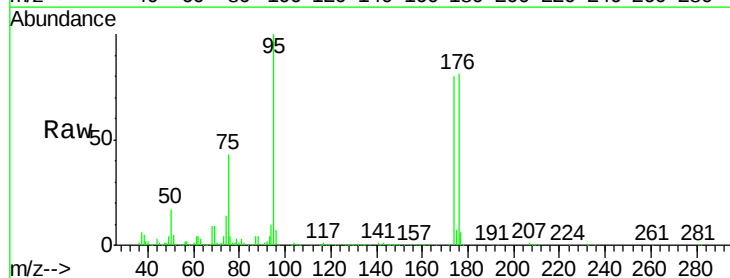
Instrument :
MSVOA_F
ClientSampleId :

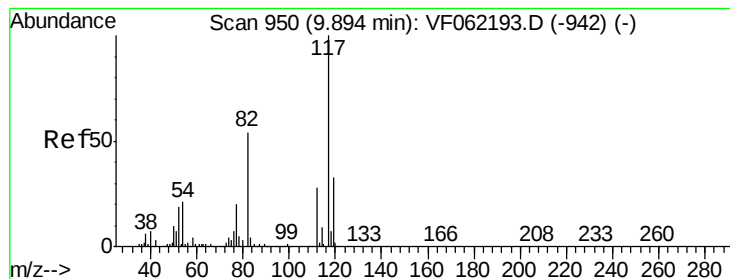
Tot Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
58 49.1 24.6 74.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF062275.D
Acq: 23 Apr 2019 20:42

Tgt Ion: 95 Resp: 215345
Ion Ratio Lower Upper
95 100
174 92.7 0.0 159.4
176 93.4 0.0 155.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.03 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

Instrument :
MSVOA_F
ClientSampled :

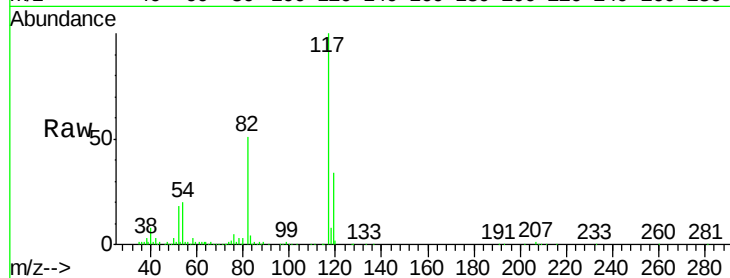
Tot Ion:117 Resp: 472880

Ion Ratio Lower Upper

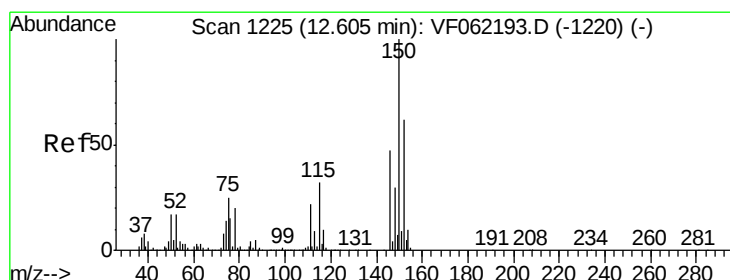
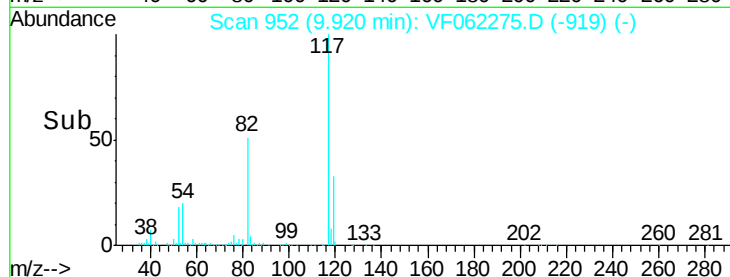
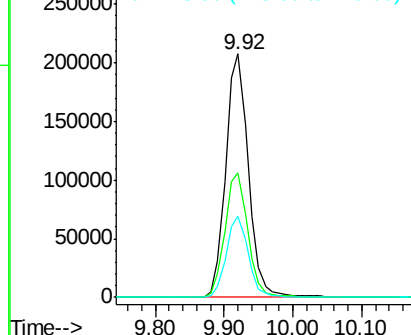
117 100

82 50.9 43.2 64.8

119 33.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

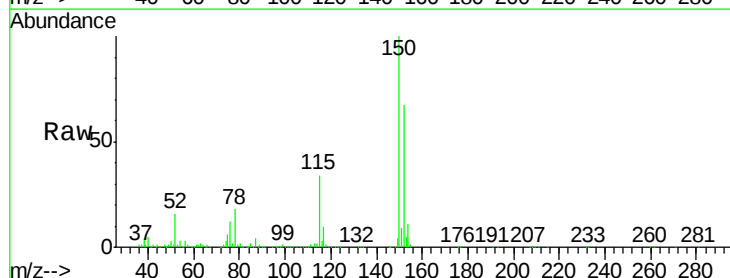
Tgt Ion:152 Resp: 237513

Ion Ratio Lower Upper

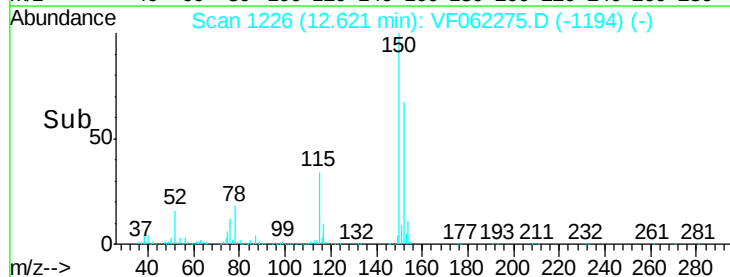
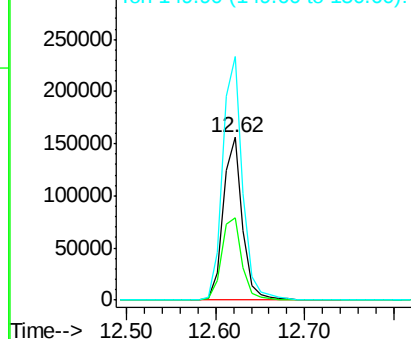
152 100

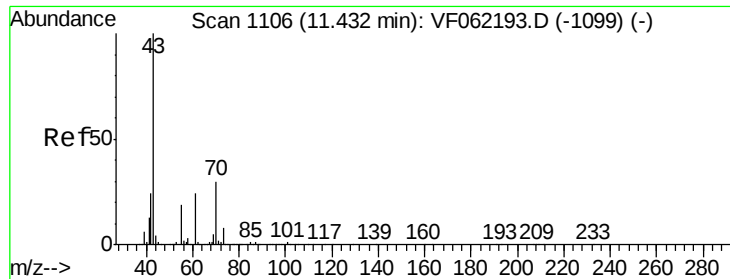
115 54.1 27.8 83.3

150 155.2 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 11.42 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF062275.D

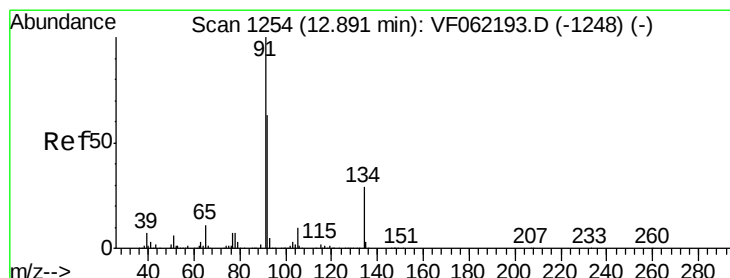
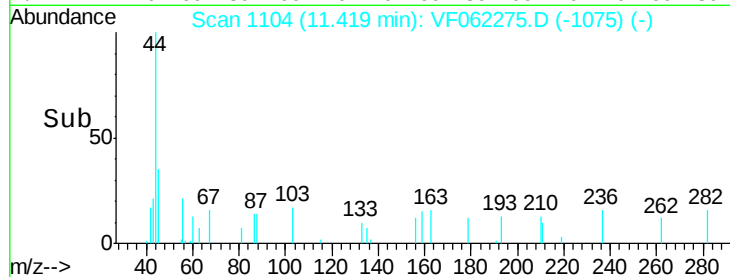
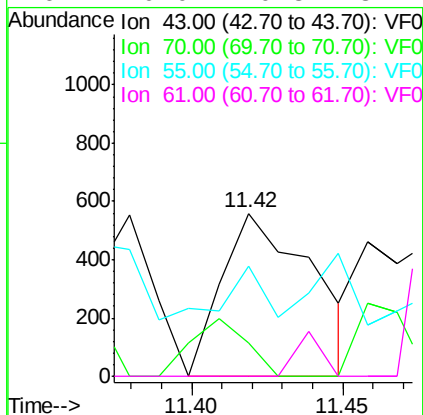
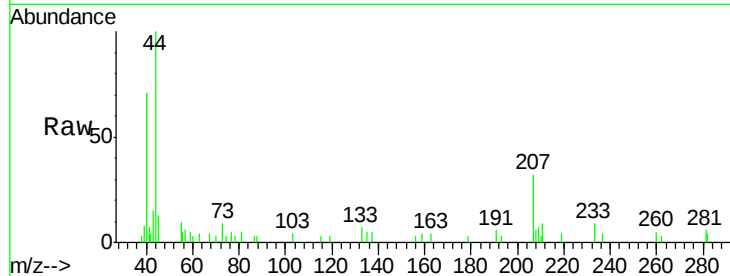
Acq: 23 Apr 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	43	Resp:	1159
Ion	Ratio	Lower	Upper
43	100		
70	21.7	27.0	40.4#
55	8.9	15.7	23.5#
61	0.0	20.8	31.2#



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VF062275.D

Acq: 23 Apr 2019 20:42

Tgt Ion:	91	Resp:	1221
Ion	Ratio	Lower	Upper
91	100		
92	27.0	31.2	93.6#
134	27.2	13.1	39.1

