

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062250.D
 Acq On : 22 Apr 2019 17:46
 Operator : FY/SY
 Sample : K2496-01RE
 Misc : 4.74g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TT-005-IDWSO-20190418RE

Quant Time: Apr 23 01:08:21 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

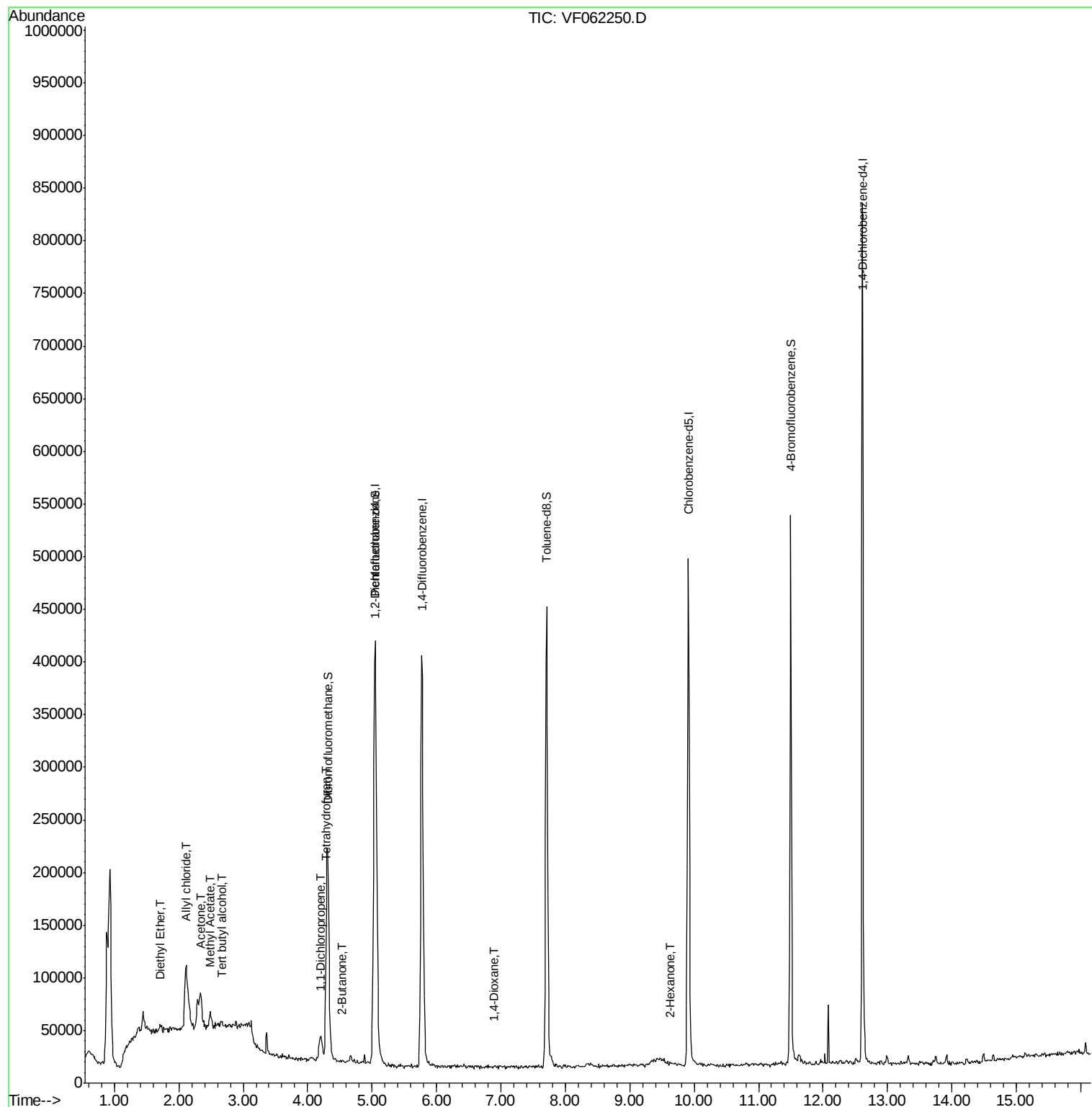
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	360559	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.77	114	473768	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	376251	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	222976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	137490	41.59	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.18%	
35) Dibromofluoromethane	4.31	113	197870	47.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.50%	
50) Toluene-d8	7.71	98	393804	37.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.08%	
62) 4-Bromofluorobenzene	11.50	95	180987	44.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.70%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	2694	2.094	ug/l	87
11) Tert butyl alcohol	2.68	59	717	3.120	ug/l #	1
13) Acrolein	2.11	56	1932	Below Cal	#	1
14) Allyl chloride	2.11	41	33800	7.333	ug/l #	79
16) Acetone	2.35	43	29396	37.198	ug/l	94
18) Methyl Acetate	2.49	43	12216	1.517	ug/l #	66
25) 2-Butanone	4.55	43	2042	1.292	ug/l #	56
29) Tetrahydrofuran	4.28	42	1043	1.458	ug/l #	53
36) 1,1-Dichloropropene	4.20	75	47071	8.287	ug/l #	43
49) 1,4-Dioxane	6.88	88	125	5.883	ug/l #	1
59) 2-Hexanone	9.63	43	2451	2.011	ug/l	82
74) N-amyl acetate	11.45	43	2892	Below Cal	#	67
89) n-Butylbenzene	12.90	91	1961	Below Cal		92

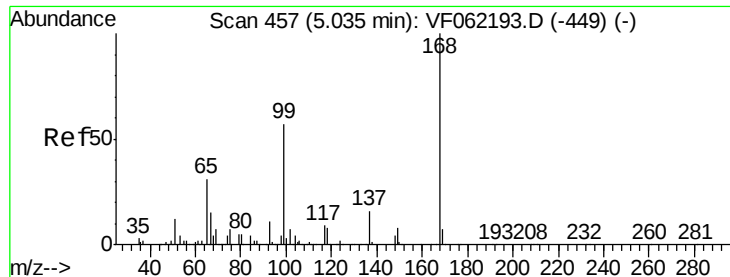
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042219\
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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: VF062250.D

Acq: 22 Apr 2019 17:46

Instrument :

MSVOA_F

ClientSampleId :

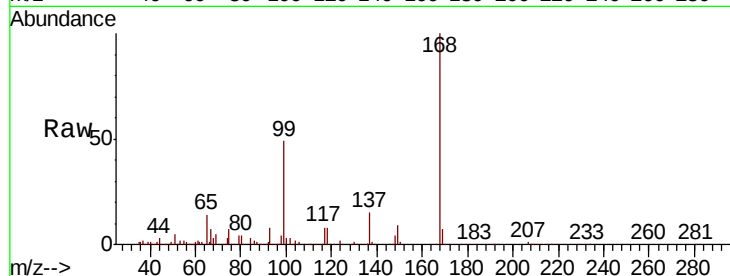
TT-005-IDWSO-20190418RE

Tot Ion:168 Resp: 360559

Ion Ratio Lower Upper

168 100

99 48.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

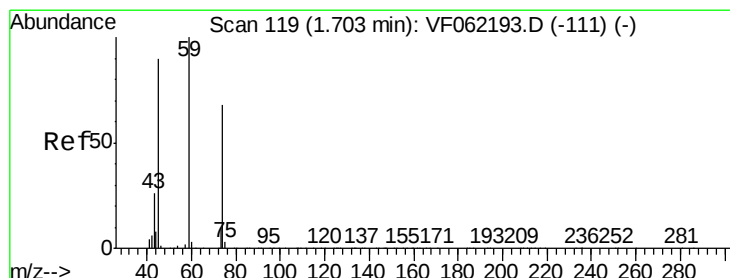
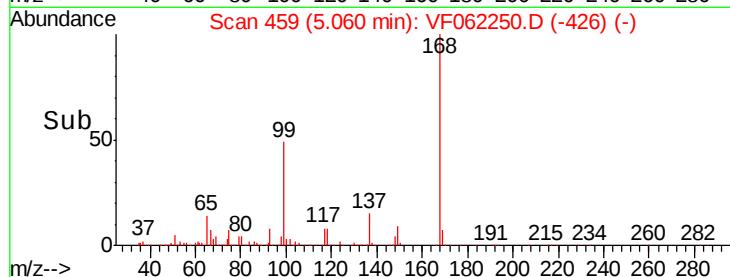
100000

50000

0

Time-->

5.00 5.20



#8

Diethyl Ether

Concen: 2.094 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF062250.D

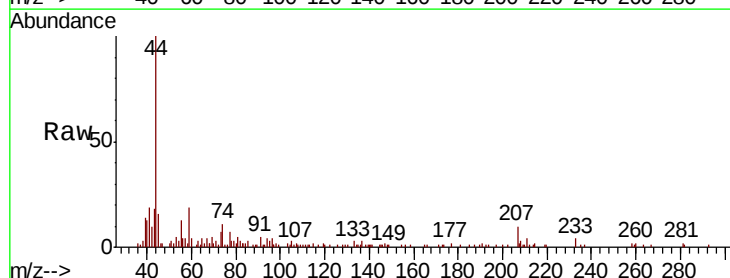
Acq: 22 Apr 2019 17:46

Tgt Ion: 74 Resp: 2694

Ion Ratio Lower Upper

74 100

45 156.0 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

2000

1500

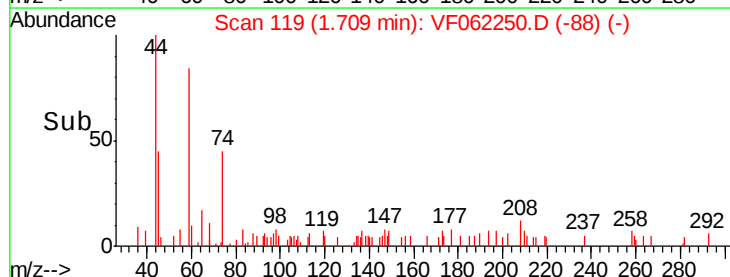
1000

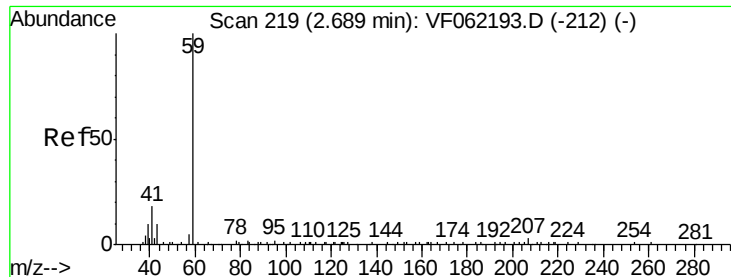
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Time-->

1.65 1.70 1.75 1.80

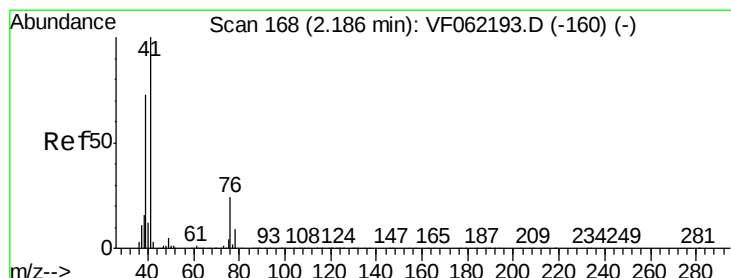
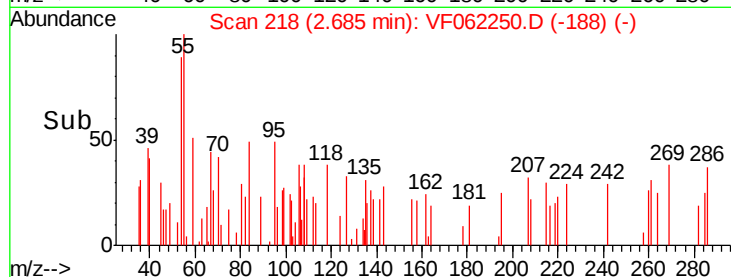
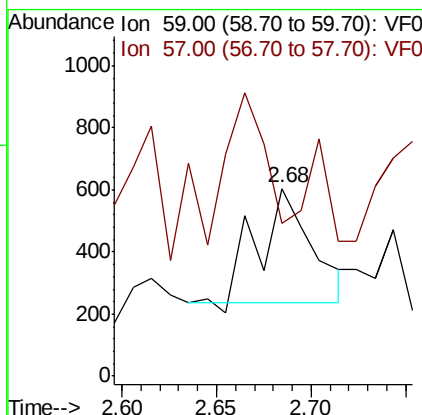
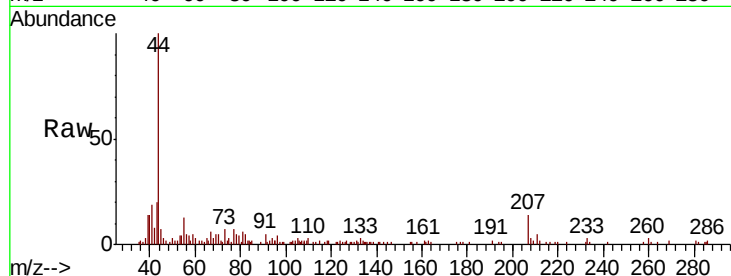




#11
Tert butyl alcohol
Concen: 3.120 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

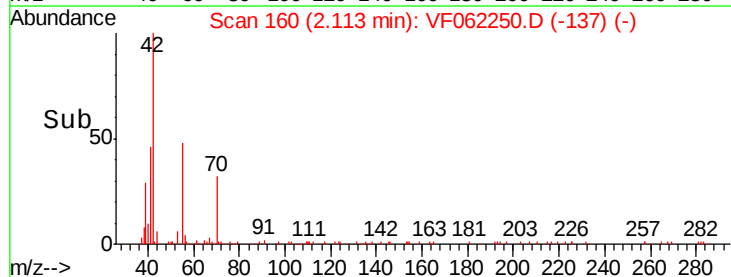
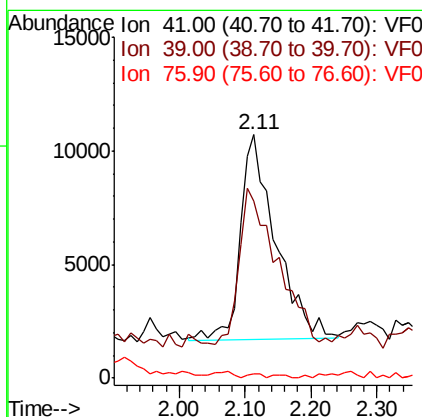
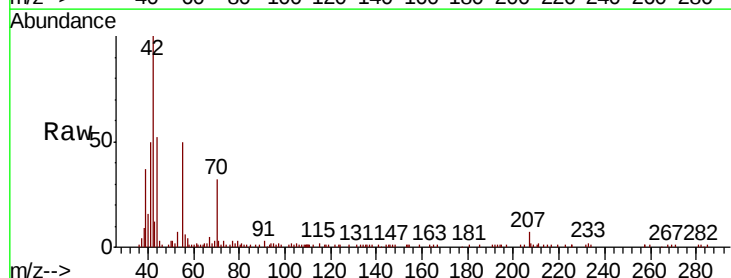
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TT-005-IDWSO-20190418RE

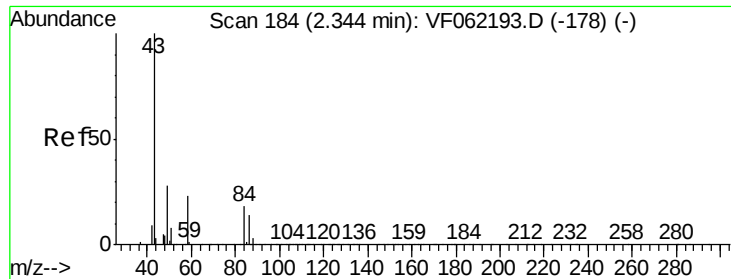
Tot Ion: 59 Resp: 717
Ion Ratio Lower Upper
59 100
57 106.3 9.3 13.9#



#14
Allyl chloride
Concen: 7.333 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.07 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

Tgt Ion: 41 Resp: 33800
Ion Ratio Lower Upper
41 100
39 84.7 60.0 90.0
76 0.9 20.6 30.8#

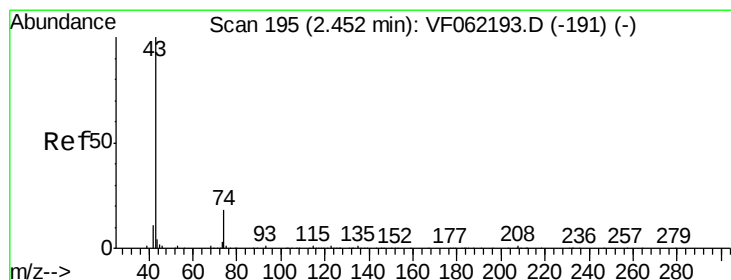
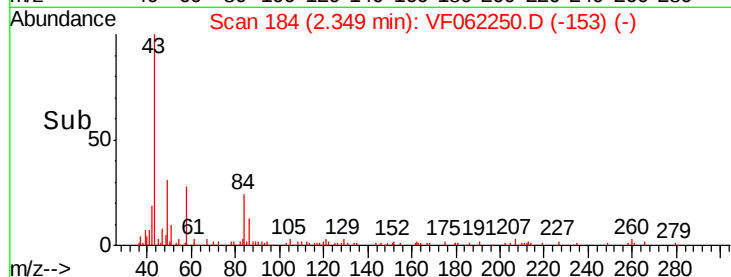
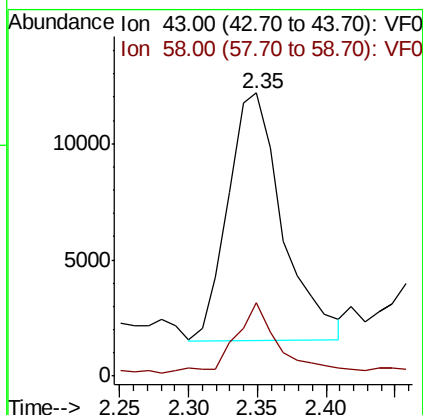
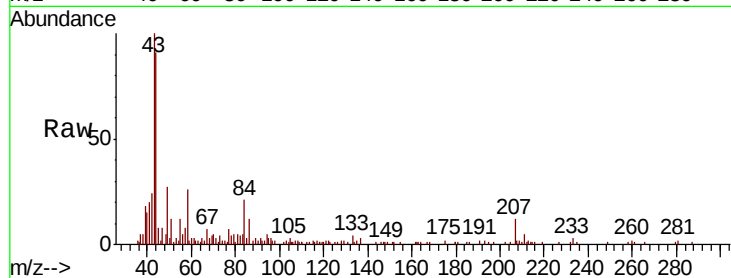




#16
Acetone
Concen: 37.198 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

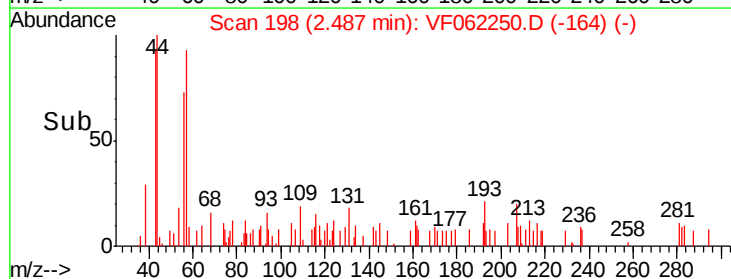
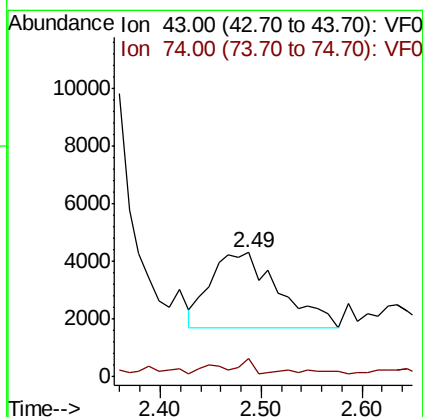
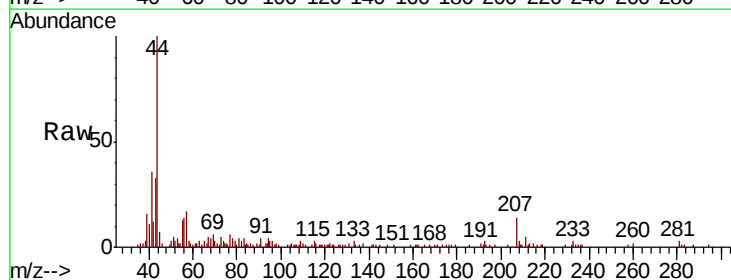
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418RE

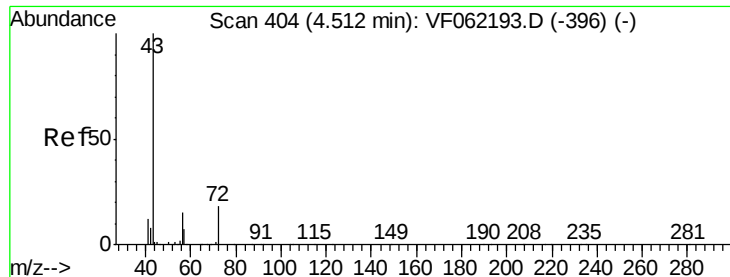
Tot Ion: 43 Resp: 29396
Ion Ratio Lower Upper
43 100
58 26.3 18.8 28.2



#18
Methyl Acetate
Concen: 1.517 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

Tgt Ion: 43 Resp: 12216
Ion Ratio Lower Upper
43 100
74 3.2 14.5 21.7#





#25

2-Butanone

Concen: 1.292 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.04 min

Lab File: VF062250.D

Acq: 22 Apr 2019 17:46

Instrument :

MSVOA_F

ClientSampleId :

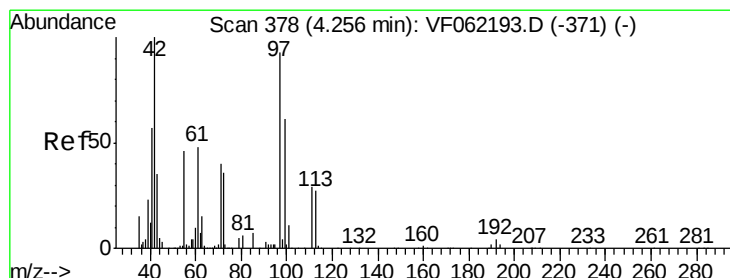
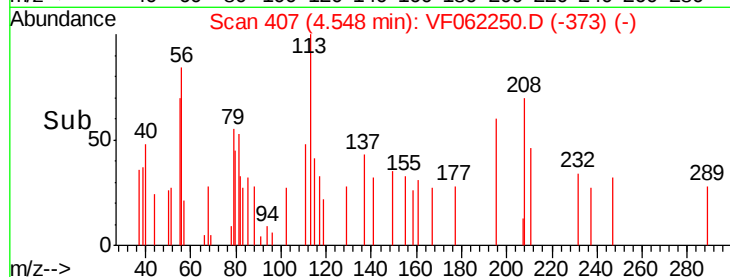
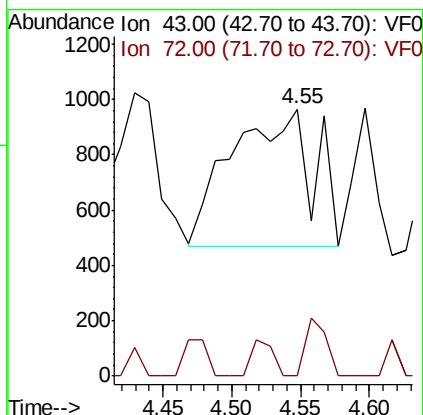
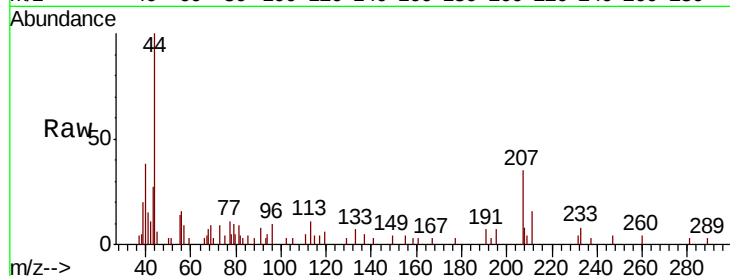
TT-005-IDWSO-20190418RE

Tot Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



#29

Tetrahydrofuran

Concen: 1.458 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.03 min

Lab File: VF062250.D

Acq: 22 Apr 2019 17:46

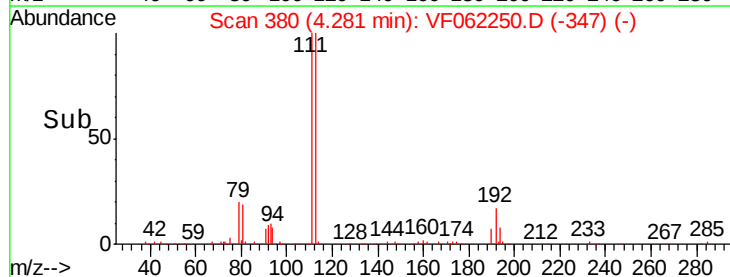
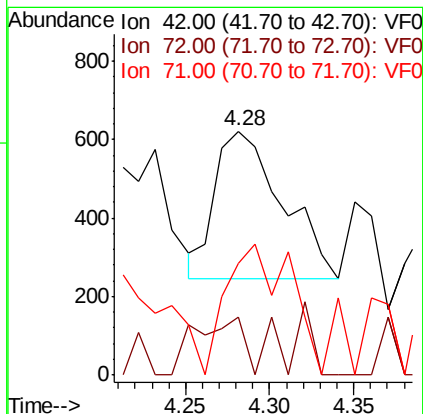
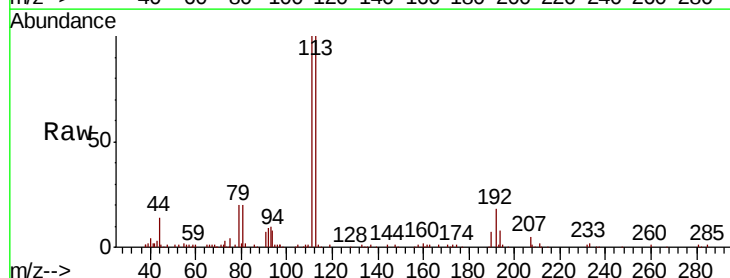
Tgt Ion: 42 Resp: 1043

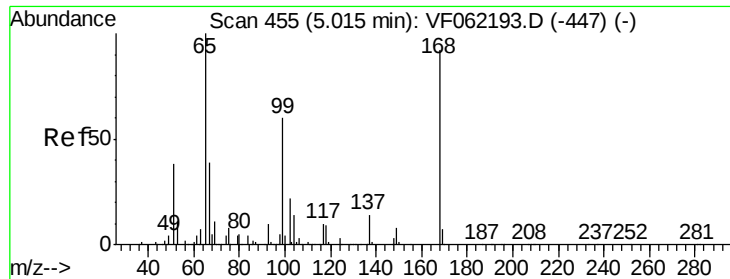
Ion Ratio Lower Upper

42 100

72 28.0 28.6 43.0#

71 84.0 29.2 43.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF062250.D

Acq: 22 Apr 2019 17:46

Instrument :

MSVOA_F

ClientSampleId :

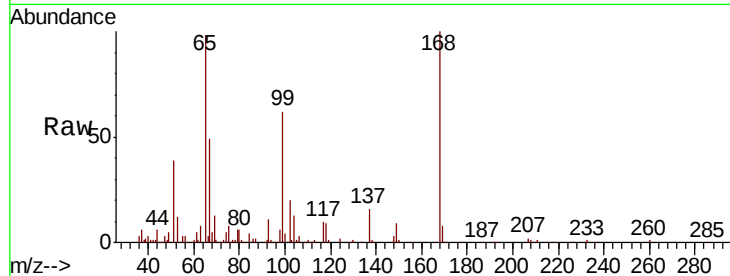
TT-005-IDWSO-20190418RE

Tot Ion: 65 Resp: 137490

Ion Ratio Lower Upper

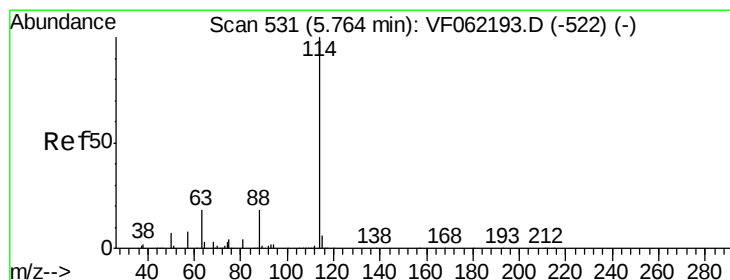
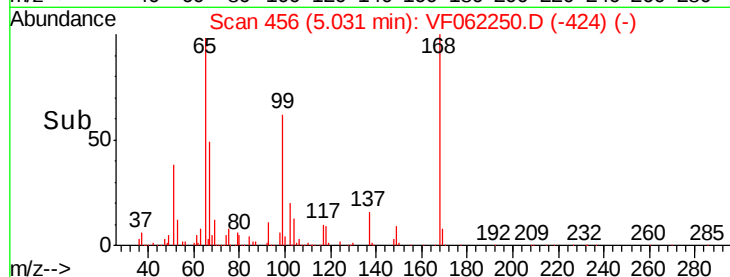
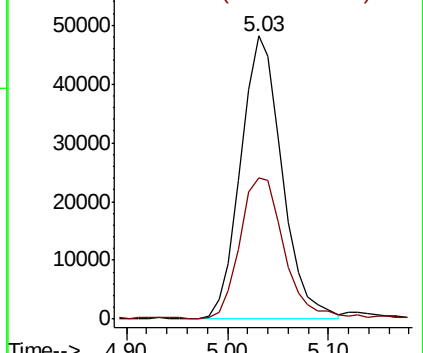
65 100

67 53.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF062250.D

Acq: 22 Apr 2019 17:46

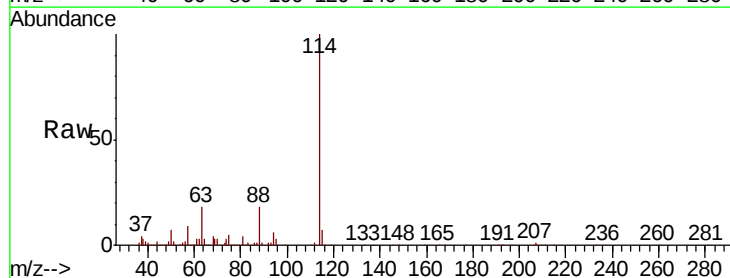
Tgt Ion:114 Resp: 473768

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

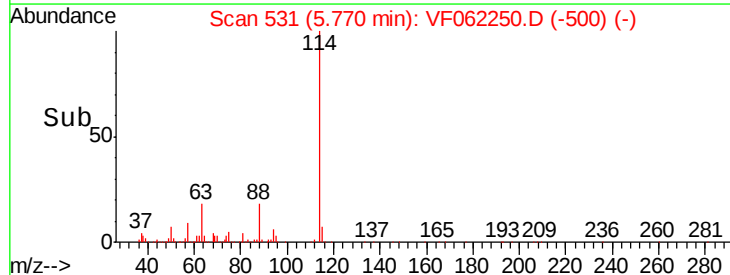
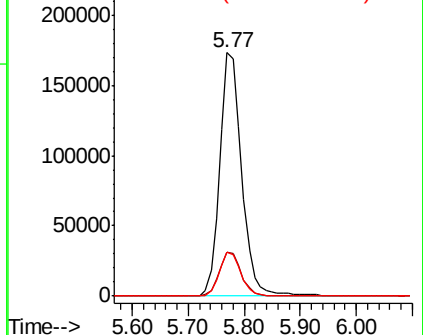
88 18.0 0.0 35.8

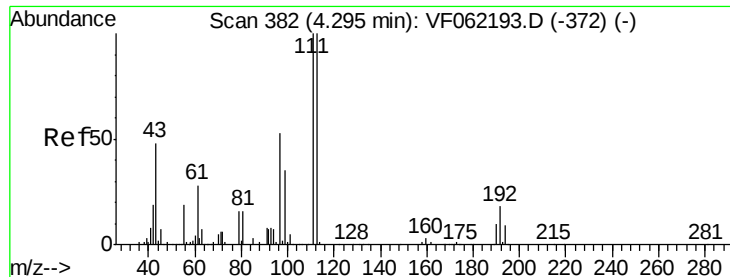


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

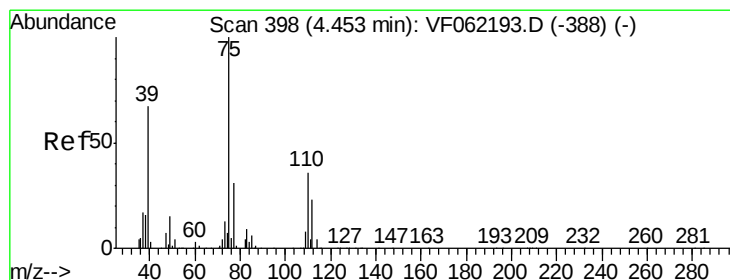
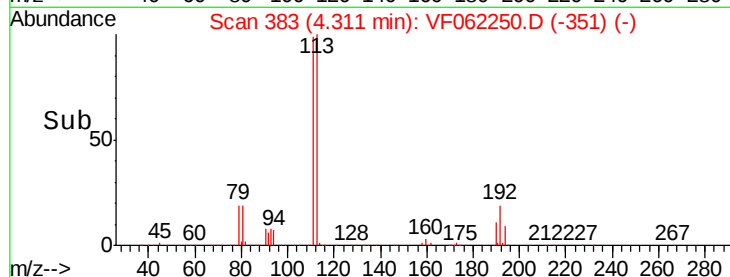
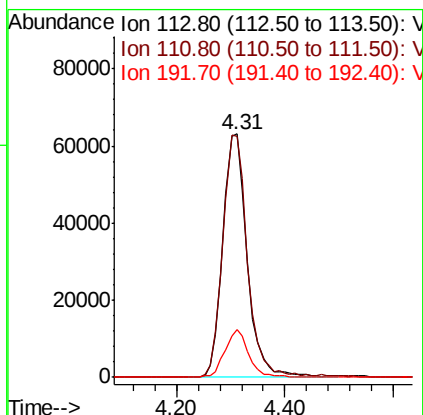
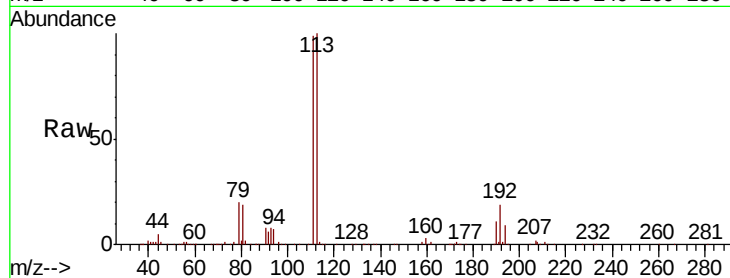




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VF062250.D
 Acq: 22 Apr 2019 17:46

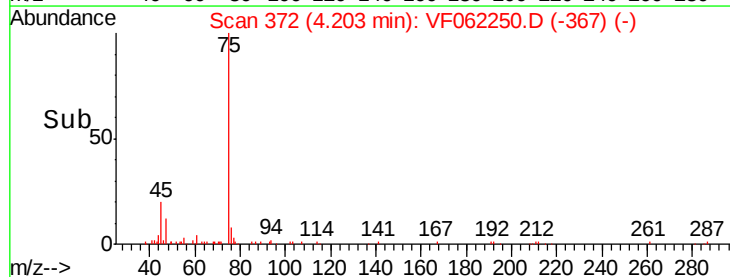
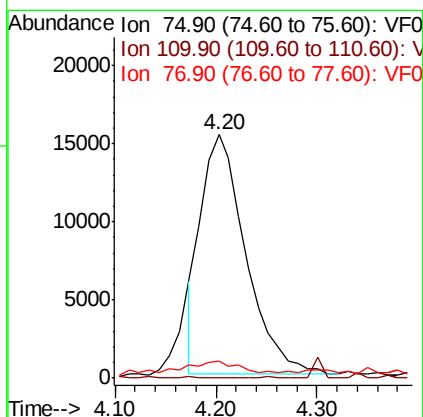
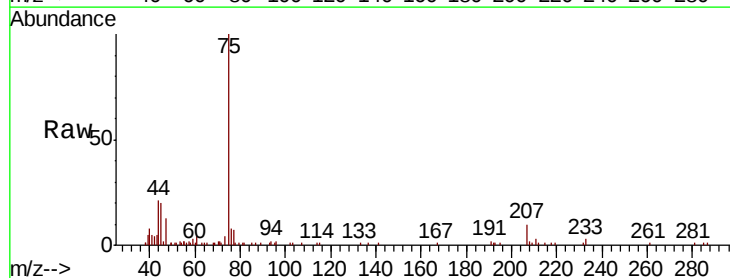
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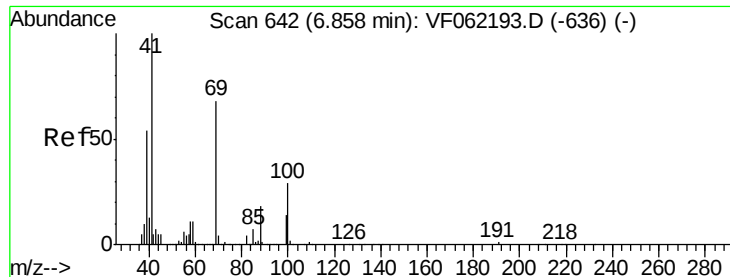
Tot Ion:113 Resp: 197870
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.1 121.7
 192 19.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 8.287 ug/l
 RT: 4.20 min Scan# 372
 Delta R.T. -0.25 min
 Lab File: VF062250.D
 Acq: 22 Apr 2019 17:46

Tgt Ion: 75 Resp: 47071
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.4 55.2#
 77 3.1 25.4 38.2#

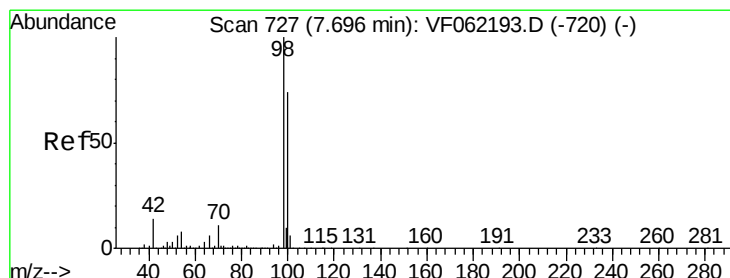
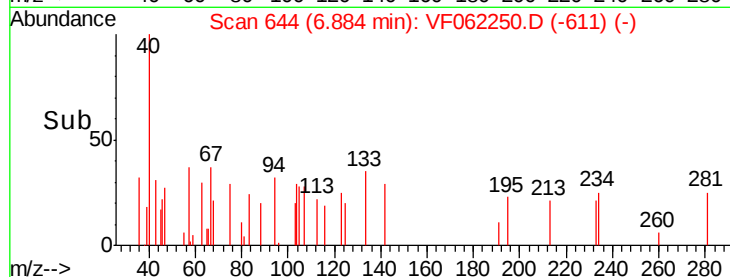
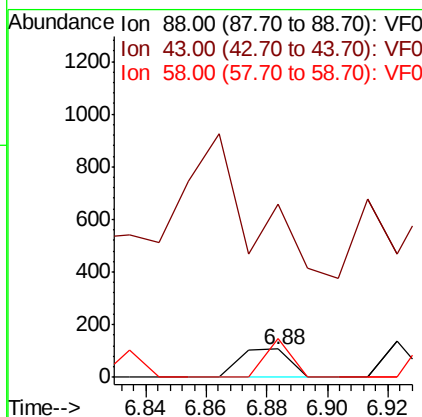
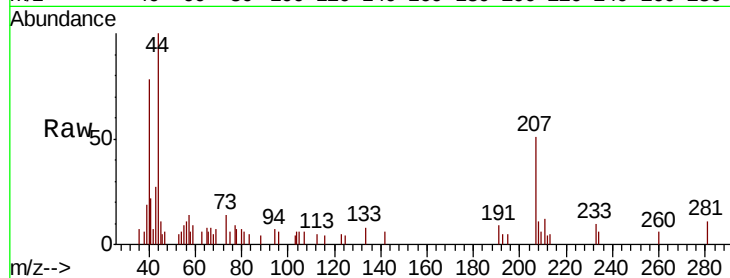




#49
 1,4-Dioxane
 Concen: 5.883 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.03 min
 Lab File: VF062250.D
 Acq: 22 Apr 2019 17:46

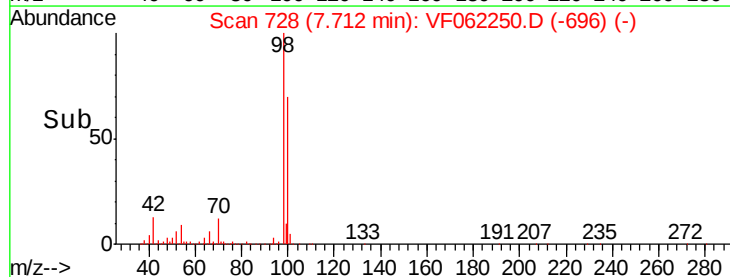
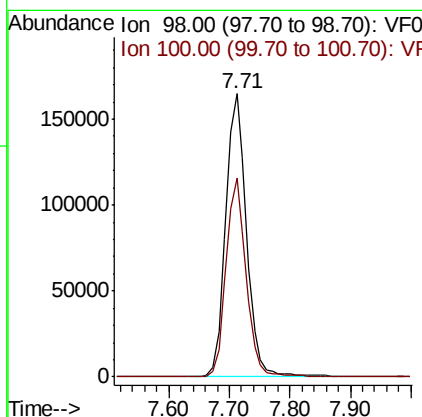
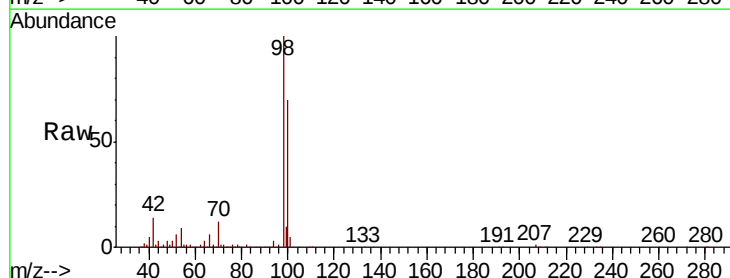
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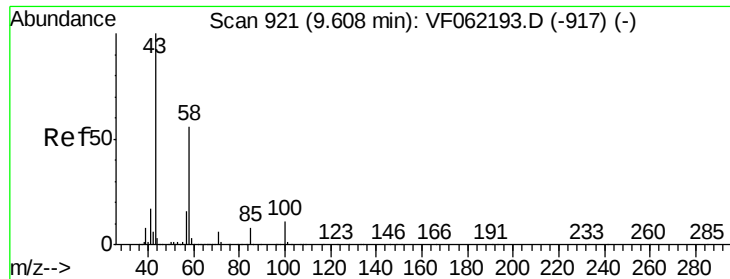
Tot Ion: 88 Resp: 125
 Ion Ratio Lower Upper
 88 100
 43 743.2 36.9 55.3#
 58 68.8 56.8 85.2



#50
 Toluene-d8
 Concen: 5.883 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.02 min
 Lab File: VF062250.D
 Acq: 22 Apr 2019 17:46

Tgt Ion: 98 Resp: 393804
 Ion Ratio Lower Upper
 98 100
 100 67.9 56.2 84.2

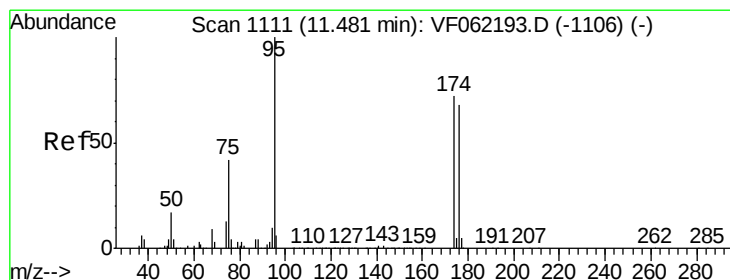
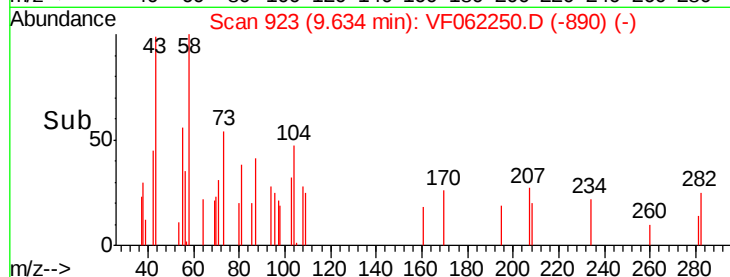
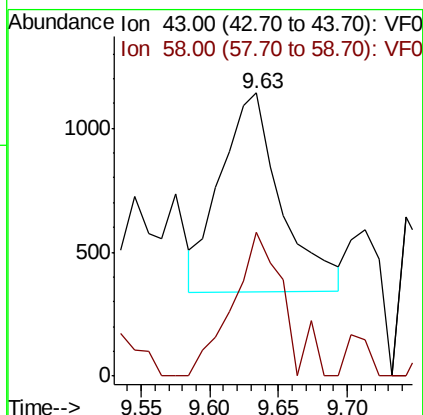
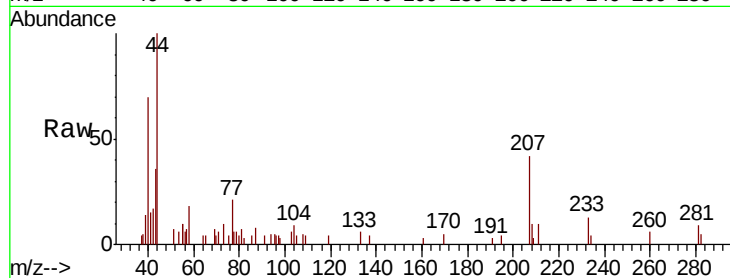




#59
2-Hexanone
Concen: 2.011 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.03 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

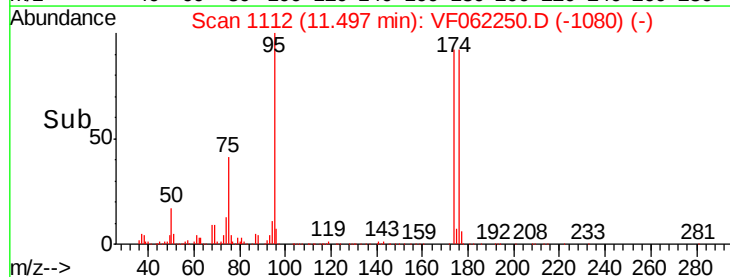
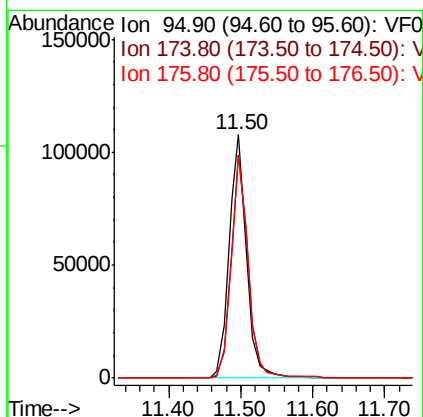
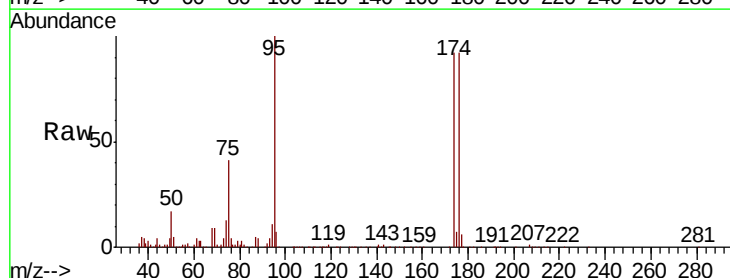
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418RE

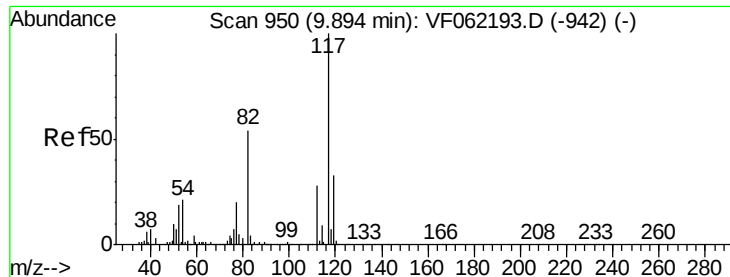
Tot Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
58 61.8 24.6 74.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

Tgt Ion: 95 Resp: 180987
Ion Ratio Lower Upper
95 100
174 89.9 0.0 159.4
176 89.4 0.0 155.4

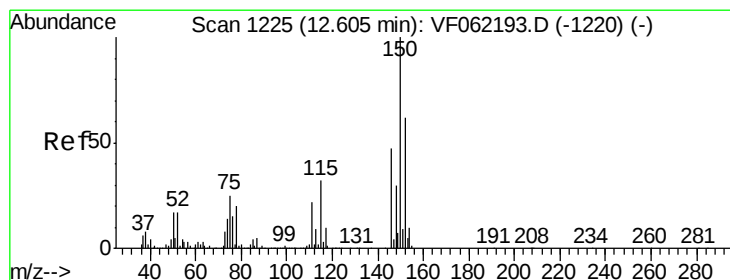
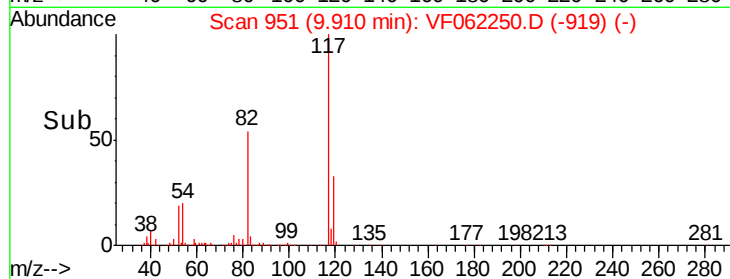
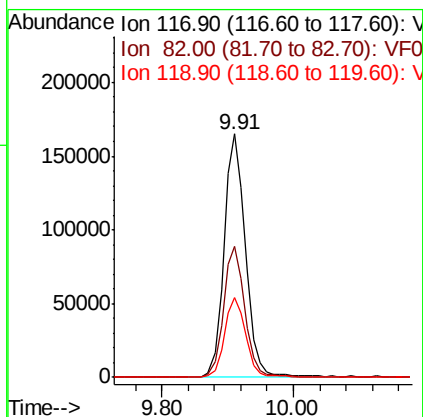
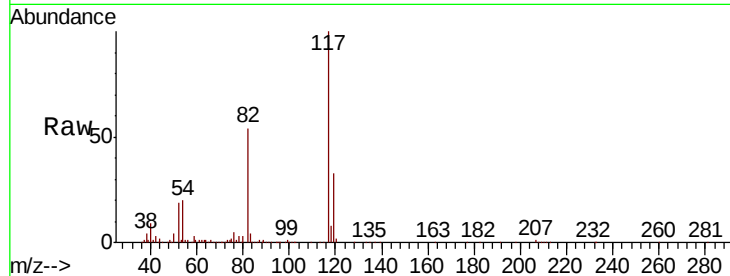




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

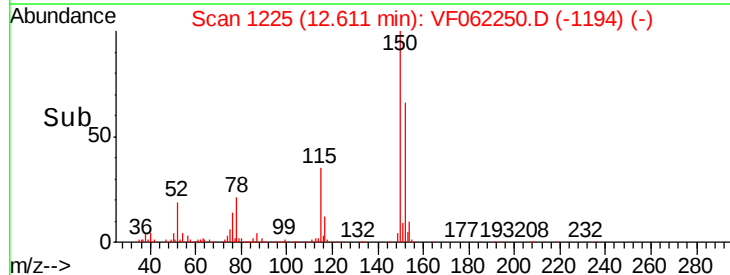
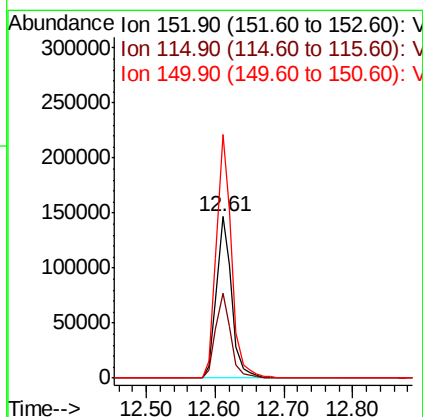
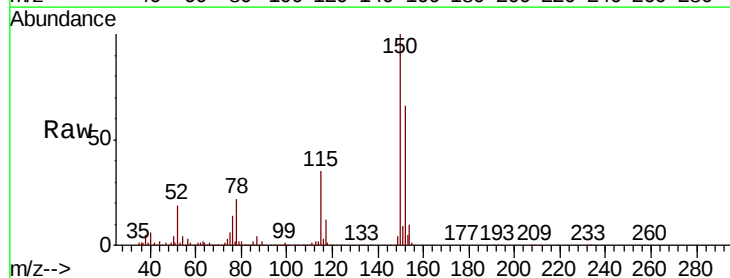
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418RE

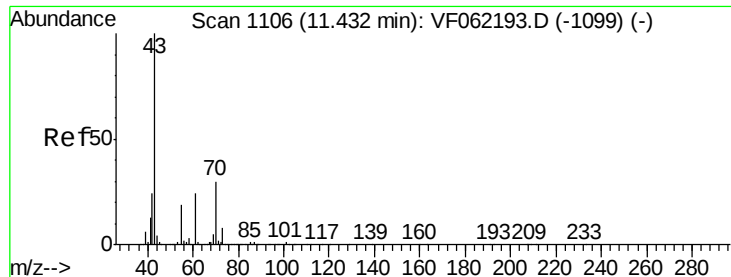
Tot Ion:117 Resp: 376251
Ion Ratio Lower Upper
117 100
82 53.9 43.2 64.8
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VF062250.D
Acq: 22 Apr 2019 17:46

Tgt Ion:152 Resp: 222976
Ion Ratio Lower Upper
152 100
115 51.6 27.8 83.3
150 150.4 0.0 341.8





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. 0.02 min

Lab File: VF062250.D

Acq: 22 Apr 2019 17:46

Instrument :

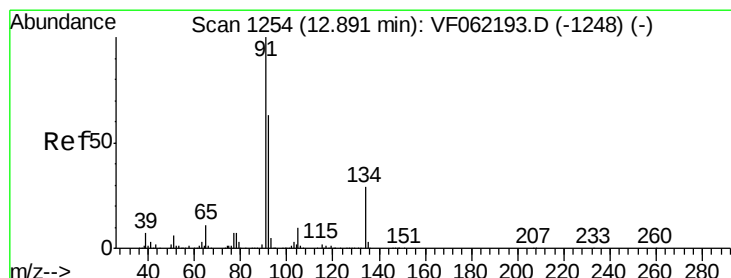
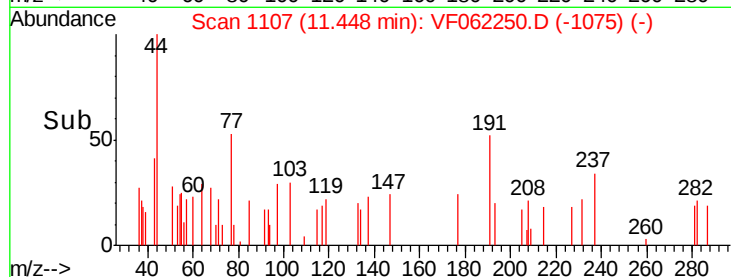
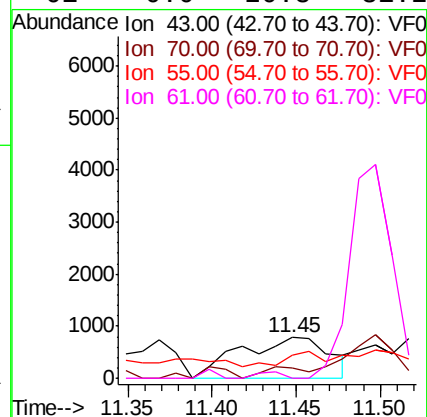
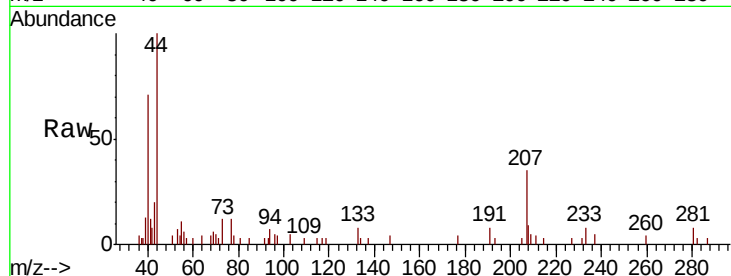
MSVOA_F

ClientSampleId :

TT-005-IDWSO-20190418RE

Tot Ion: 43 Resp: 2892

Ion	Ratio	Lower	Upper
43	100		
70	13.3	27.0	40.4#
55	17.2	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: VF062250.D

Acq: 22 Apr 2019 17:46

Tgt Ion: 91 Resp: 1961

Ion	Ratio	Lower	Upper
91	100		
92	61.6	31.2	93.6
134	39.1	13.1	39.1

