

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062234.D
 Acq On : 19 Apr 2019 19:36
 Operator : FY/SY
 Sample : K2496-01
 Misc : 6.13g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 19 23:03:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	499414	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	729027	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	523618	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	287468	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	211843	46.26	ug/l	0.03
Spiked Amount			Recovery	=	92.52%	
35) Dibromofluoromethane	4.31	113	297480	46.65	ug/l	0.02
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	7.71	98	641655	39.75	ug/l	0.02
Spiked Amount			Recovery	=	79.50%	
62) 4-Bromofluorobenzene	11.50	95	258769	41.67	ug/l	0.02
Spiked Amount			Recovery	=	83.34%	

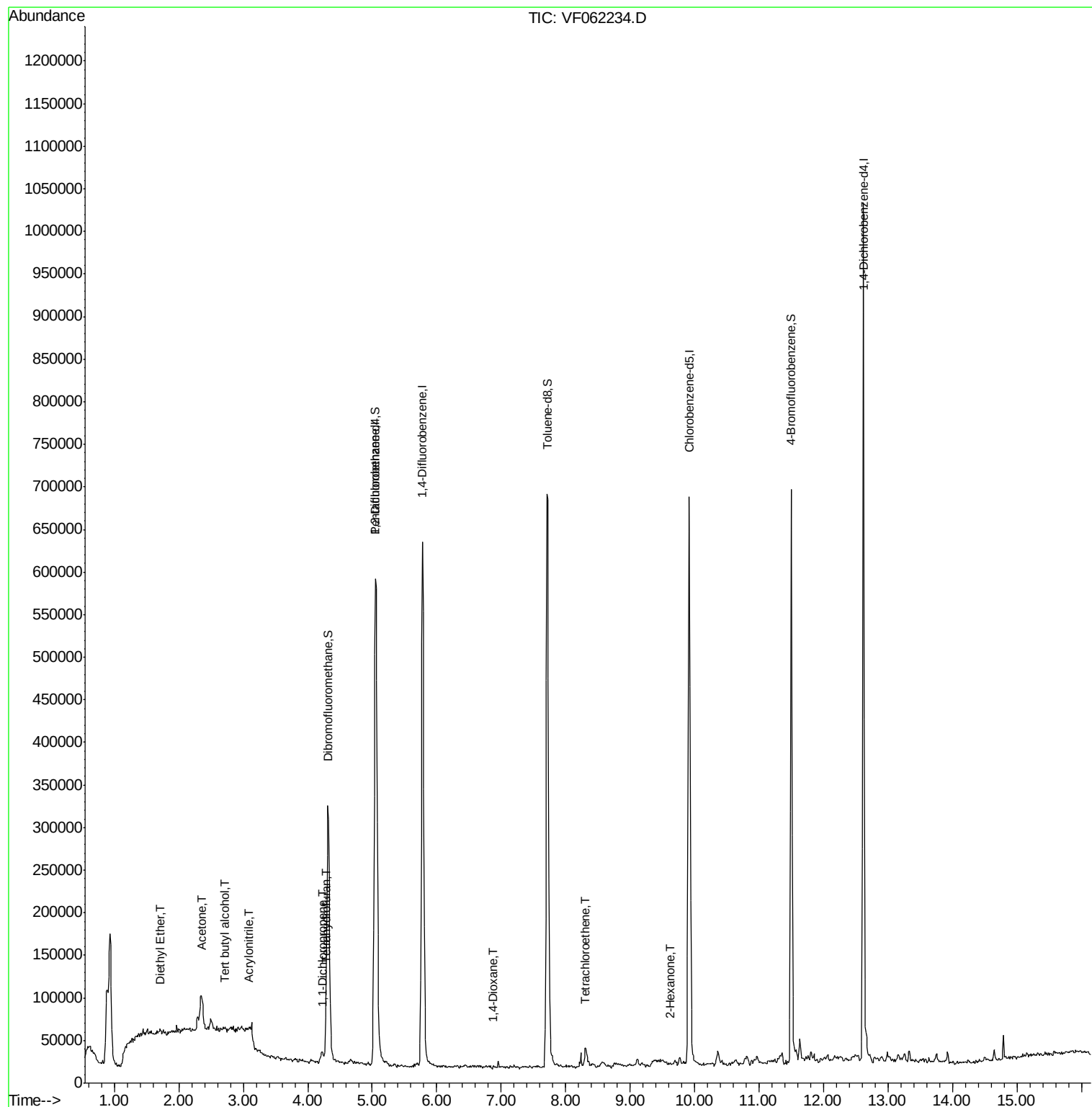
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	2861	1.606	ug/l	54
11) Tert butyl alcohol	2.71	59	780	2.450	ug/l #	47
13) Acrolein	2.11	56	447	Below Cal	#	1
15) Acrylonitrile	3.09	53	1361	1.404	ug/l #	42
16) Acetone	2.35	43	28880	26.384	ug/l	98
18) Methyl Acetate	2.49	43	10000	Below Cal	#	77
20) Methylene Chloride	2.34	84	25457	Below Cal		97
29) Tetrahydrofuran	4.27	42	1216	1.227	ug/l #	81
36) 1,1-Dichloropropene	4.22	75	28423	3.252	ug/l #	45
49) 1,4-Dioxane	6.86	88	79	2.416	ug/l #	1
59) 2-Hexanone	9.63	43	2759	1.508	ug/l	93
64) Tetrachloroethene	8.31	164	7135	1.509	ug/l	87
74) N-amyl acetate	11.46	43	1211	Below Cal	#	49
89) n-Butylbenzene	12.90	91	1164	Below Cal	#	55

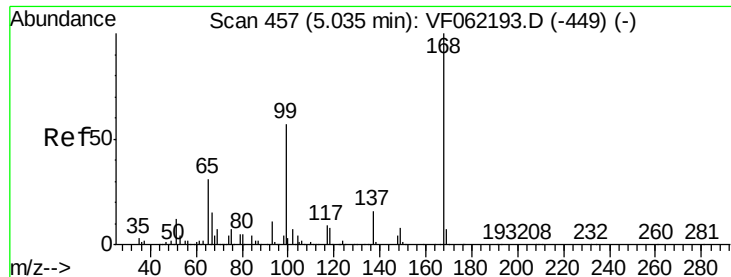
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062234.D

Acq: 19 Apr 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

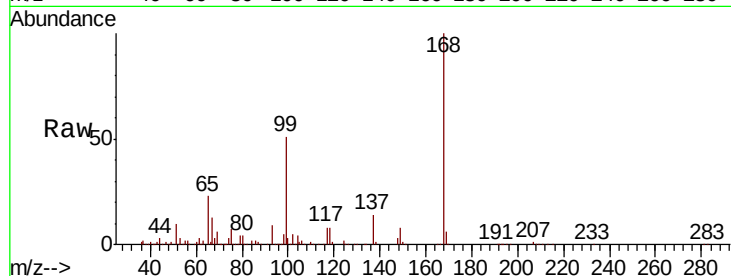
TT-005-IDWSO-20190418

Tot Ion:168 Resp: 499414

Ion Ratio Lower Upper

168 100

99 51.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

200000

150000

100000

50000

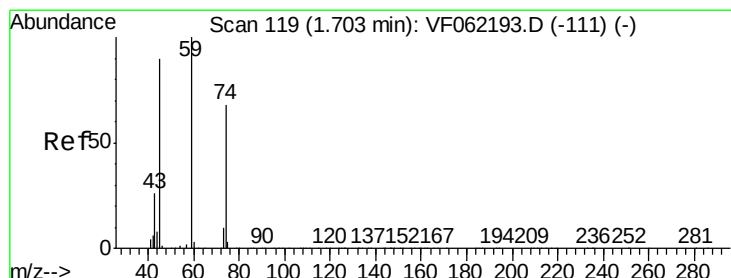
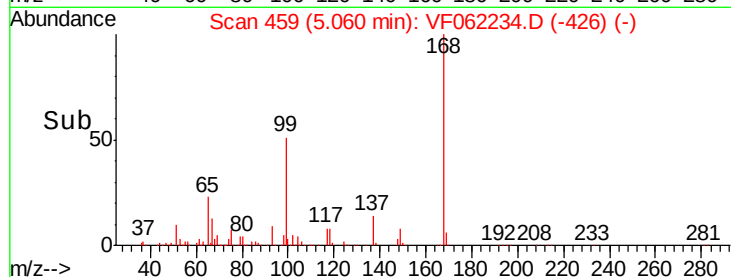
0

5.06

5.20

5.40

Time-->



#8

Diethyl Ether

Concen: 1.606 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF062234.D

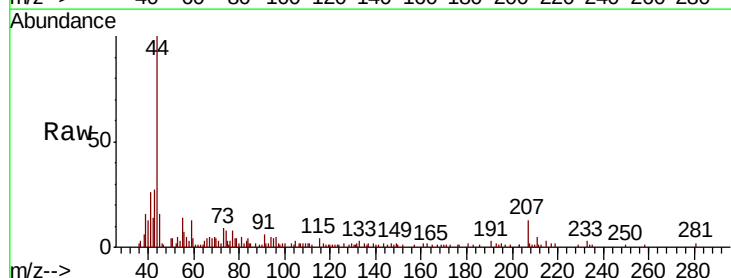
Acq: 19 Apr 2019 19:36

Tgt Ion: 74 Resp: 2861

Ion Ratio Lower Upper

74 100

45 84.7 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

500

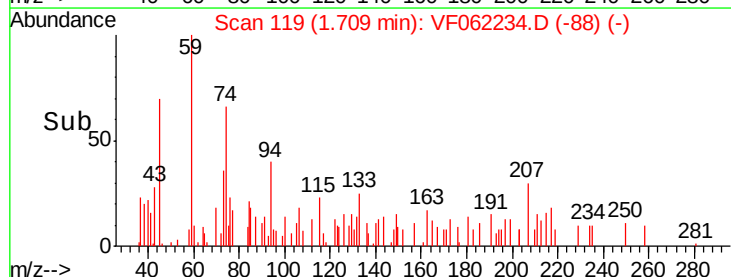
0

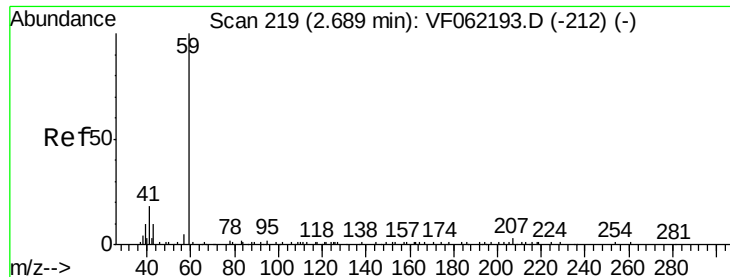
1.71

1.75

1.80

Time-->

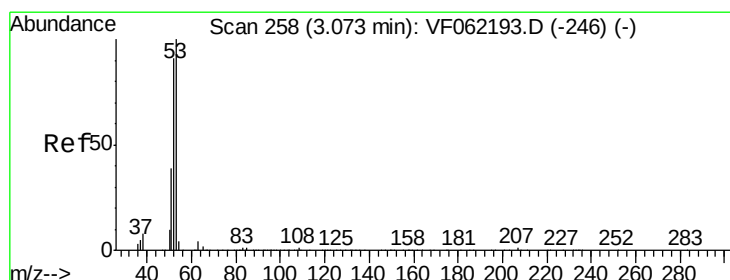
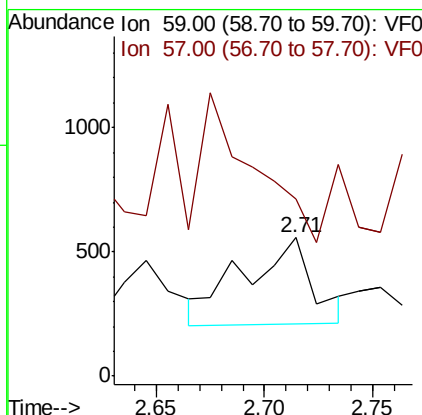
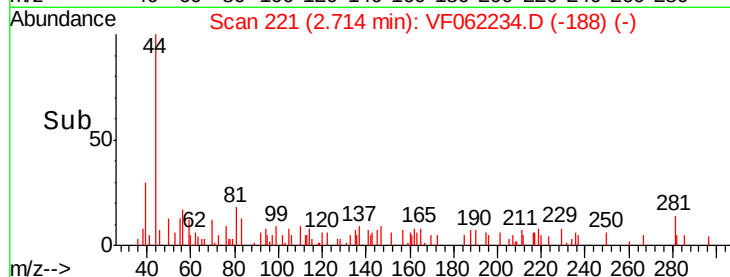
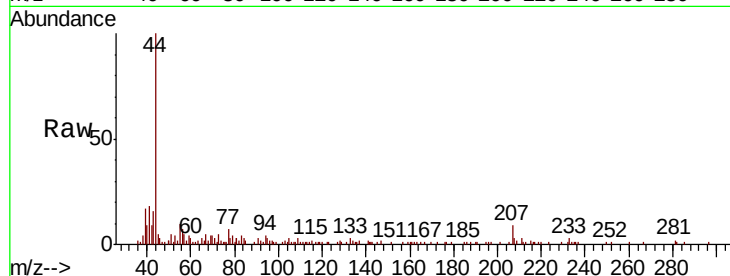




#11
Tert butyl alcohol
Concen: 2.450 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

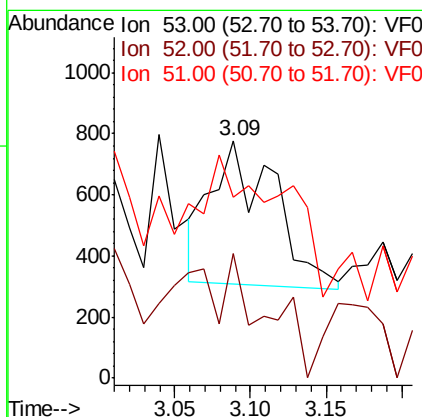
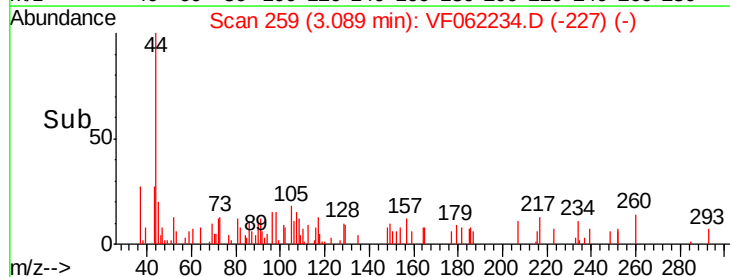
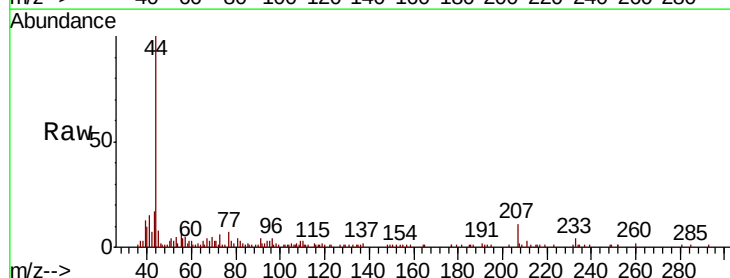
Instrument :
MSVOA_F
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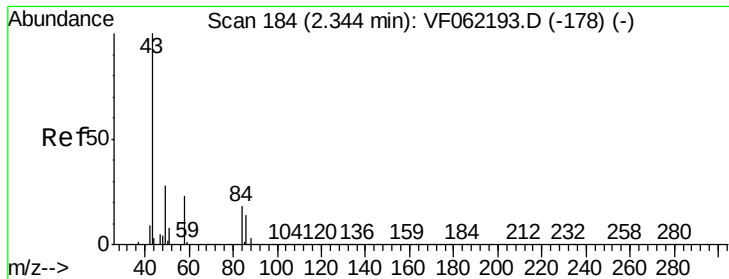
Tot Ion: 59 Resp: 780
Ion Ratio Lower Upper
59 100
57 32.1 9.3 13.9#



#15
Acrylonitrile
Concen: 1.404 ug/l
RT: 3.09 min Scan# 259
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion: 53 Resp: 1361
Ion Ratio Lower Upper
53 100
52 24.9 69.5 104.3#
51 16.7 31.8 47.8#

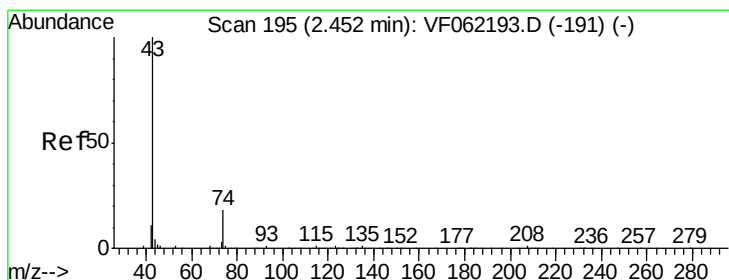
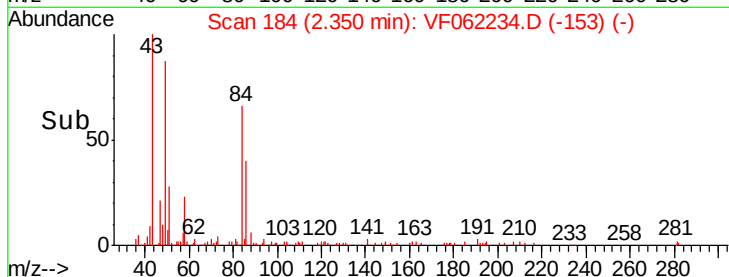
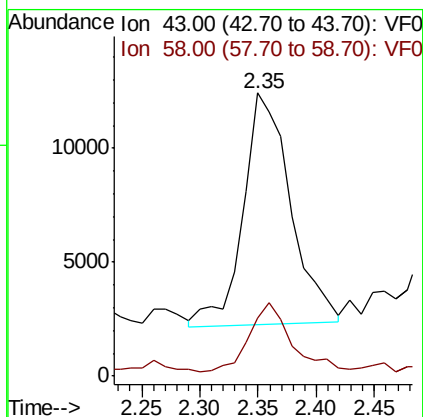
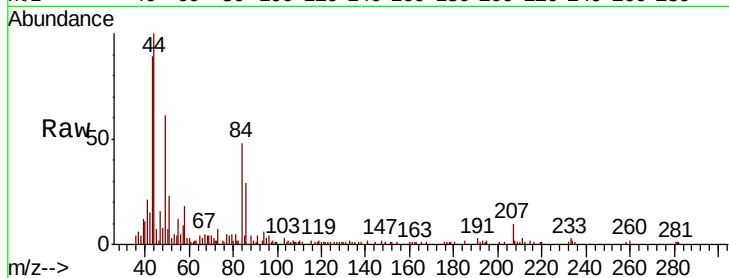




#16
Acetone
Concen: 26.384 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

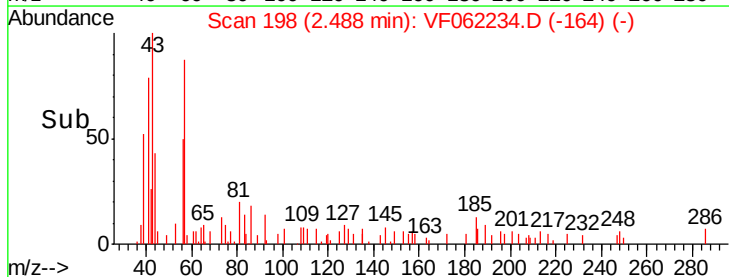
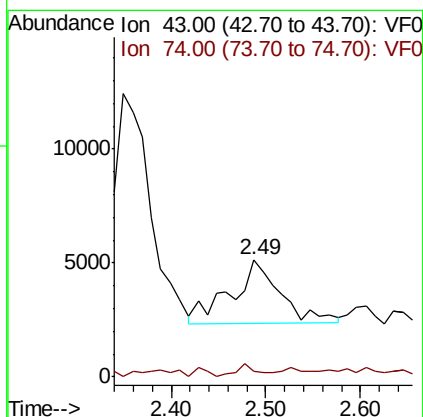
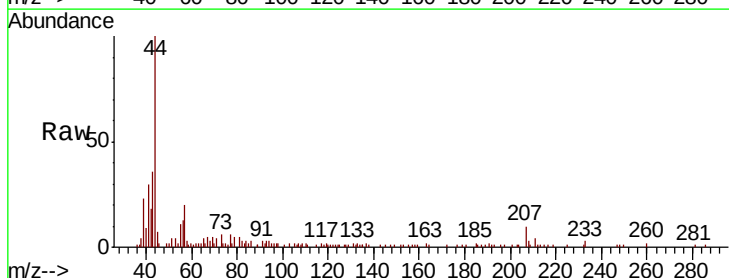
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418

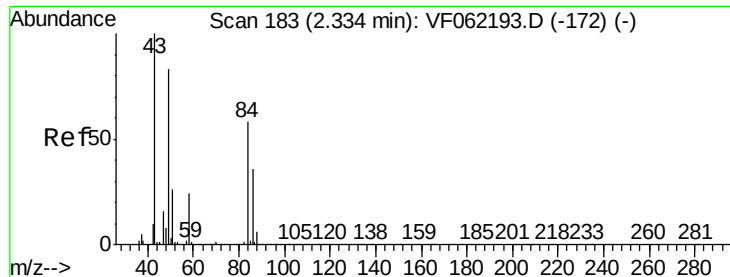
Tot Ion: 43 Resp: 28880
Ion Ratio Lower Upper
43 100
58 22.6 18.8 28.2



#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion: 43 Resp: 10000
Ion Ratio Lower Upper
43 100
74 7.9 14.5 21.7#

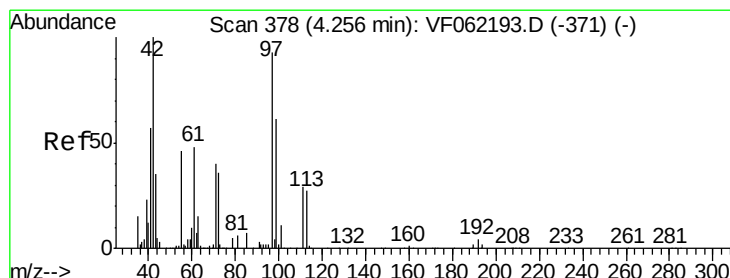
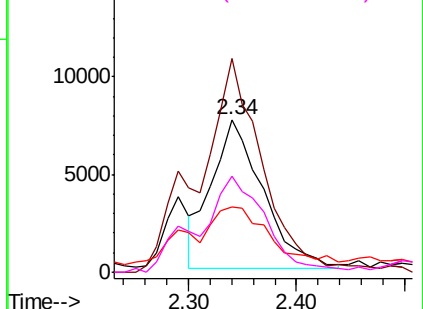
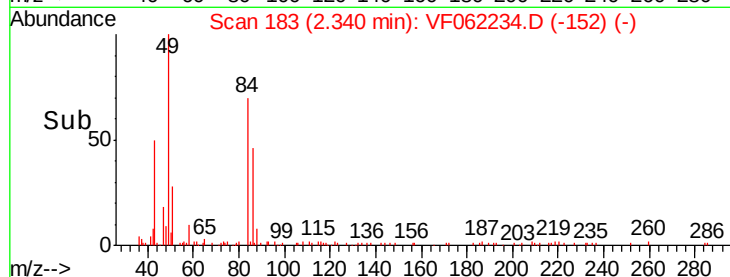
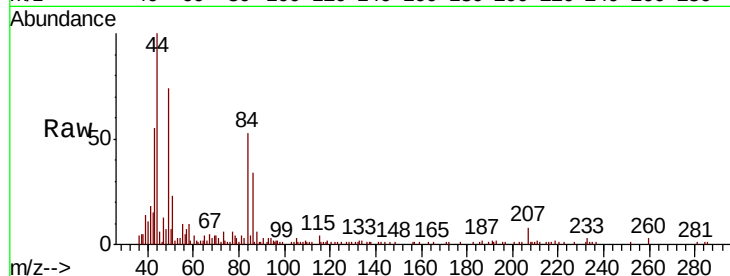




#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

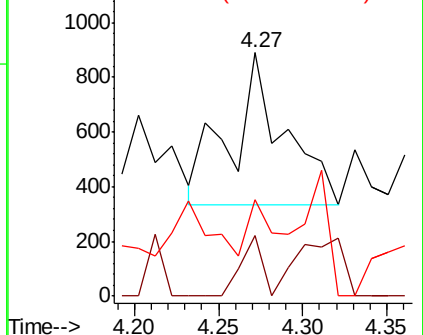
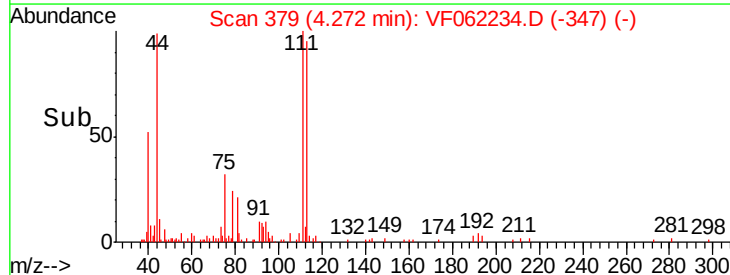
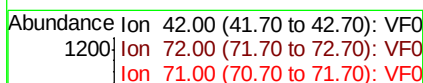
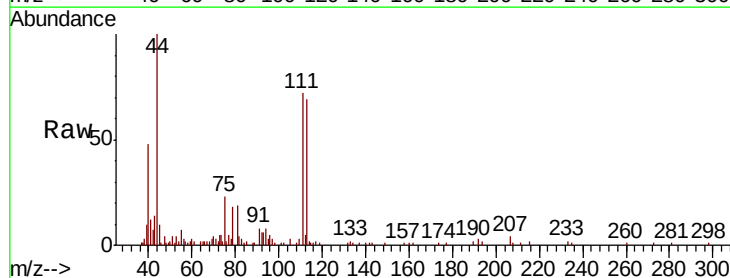
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418

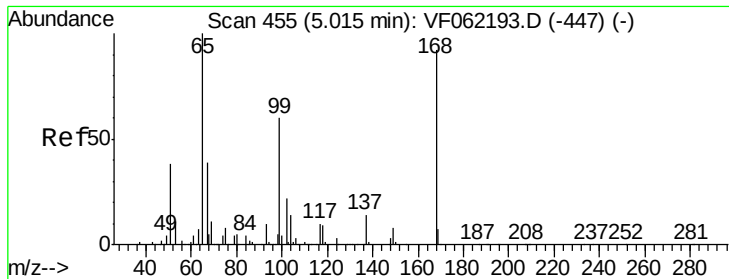
Tot Ion:	84	Resp:	25457
Ion	Ratio	Lower	Upper
84	100		
49	141.6	114.0	171.0
51	37.4	37.0	55.4
86	63.8	49.8	74.8



#29
Tetrahydrofuran
Concen: 1.227 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion:	42	Resp:	1216
Ion	Ratio	Lower	Upper
42	100		
72	15.8	28.6	43.0#
71	39.1	29.2	43.8





#33

1,2-Dichloroethane-d4

Concen: 46.261 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.03 min

Lab File: VF062234.D

Acq: 19 Apr 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

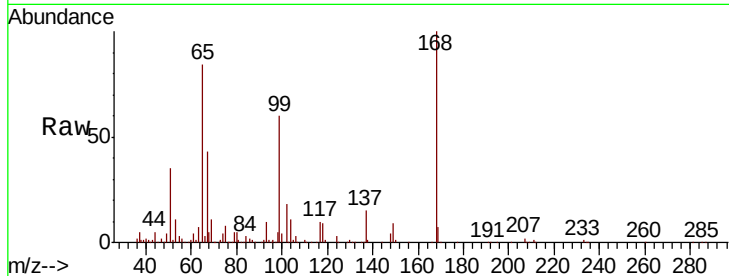
TT-005-IDWSO-20190418

Tot Ion: 65 Resp: 211843

Ion Ratio Lower Upper

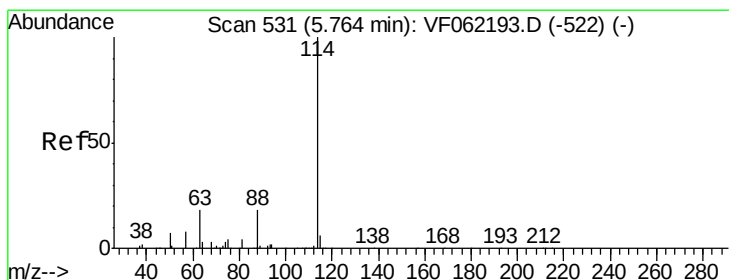
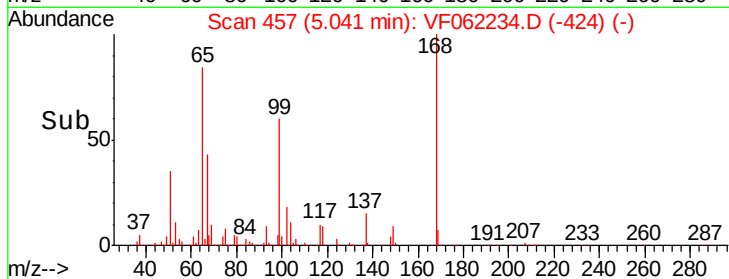
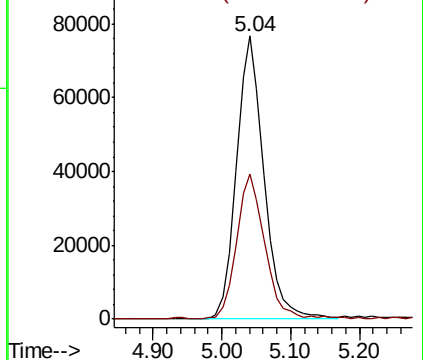
65 100

67 52.4 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: 5.78 min Scan# 532

Delta R.T. 0.02 min

Lab File: VF062234.D

Acq: 19 Apr 2019 19:36

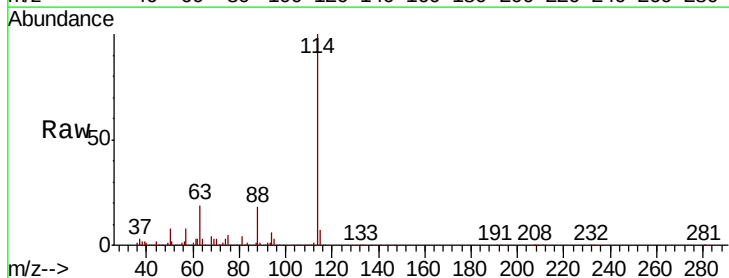
Tgt Ion: 114 Resp: 729027

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.6

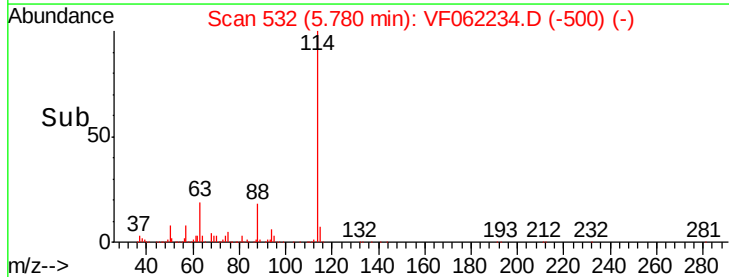
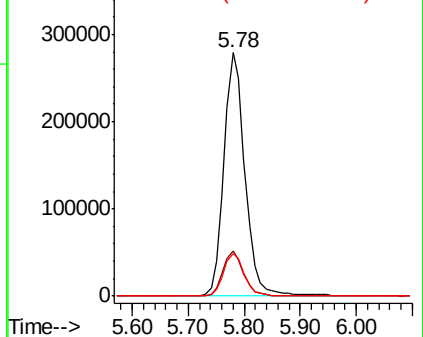
88 17.7 0.0 35.8

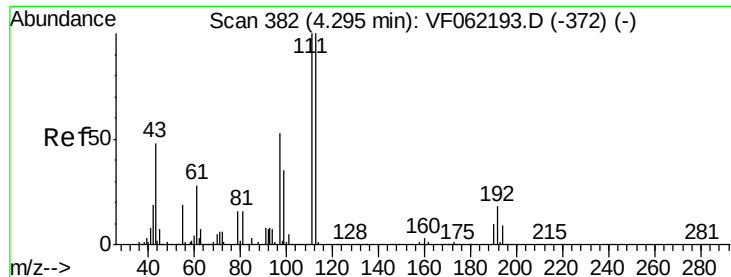


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

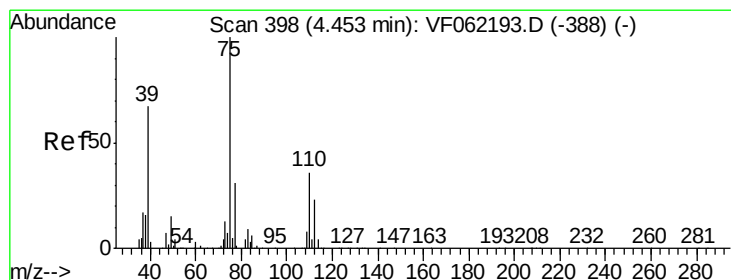
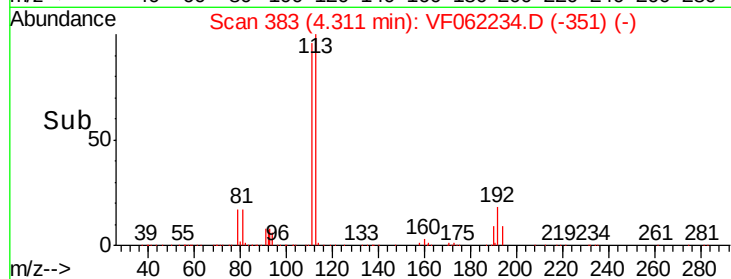
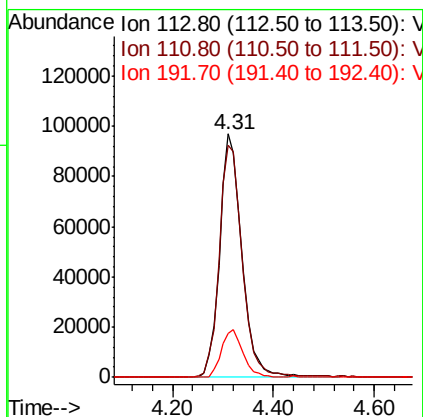
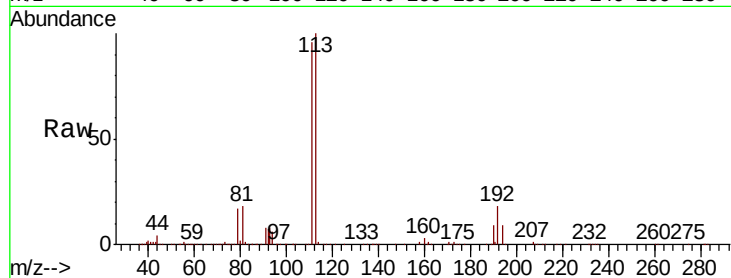




#35
 Dibromofluoromethane
 Concen: 46.648 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VF062234.D
 Acq: 19 Apr 2019 19:36

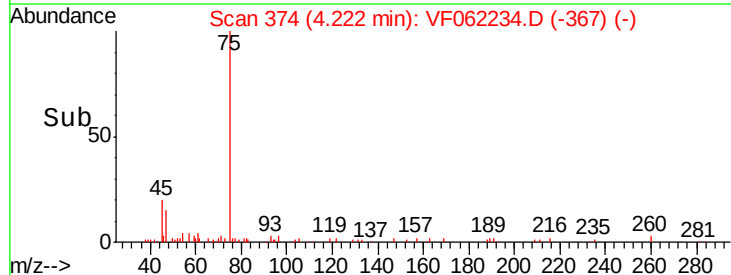
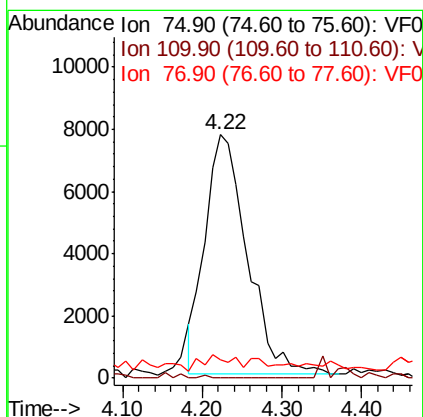
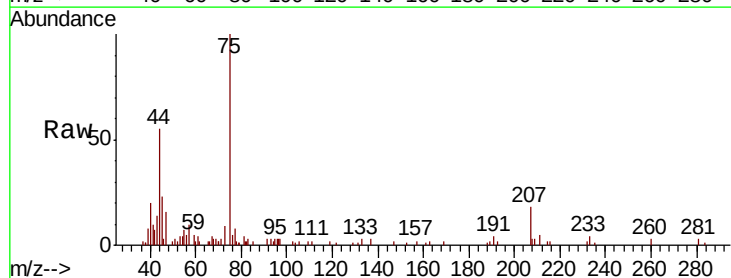
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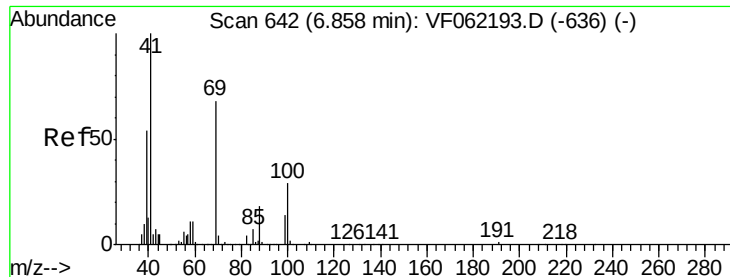
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.1	121.7
192	19.4	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 3.252 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.23 min
 Lab File: VF062234.D
 Acq: 19 Apr 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.2	18.4	55.2#
77	4.9	25.4	38.2#

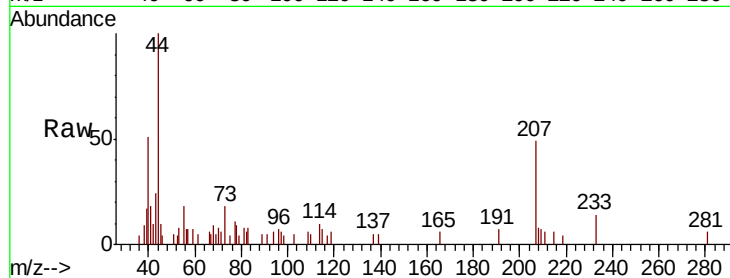




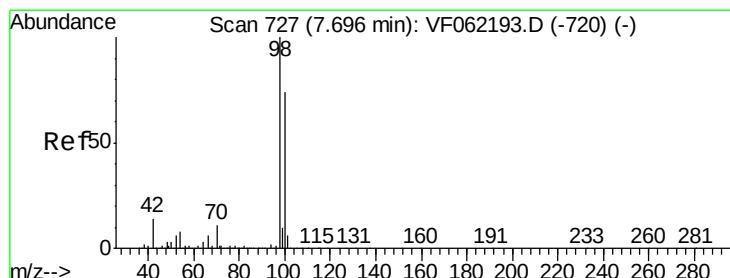
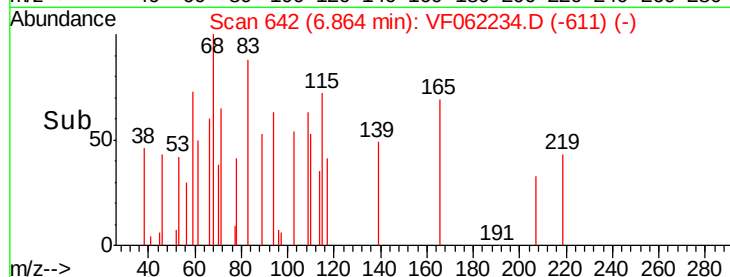
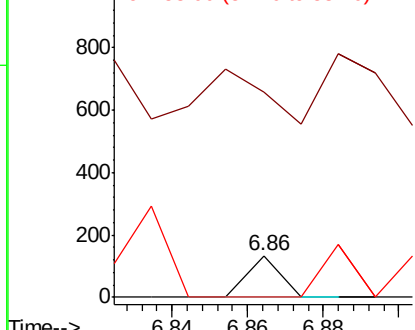
#49
1,4-Dioxane
Concen: 2.416 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

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

Tot Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 248.1 36.9 55.3#
58 0.0 56.8 85.2#

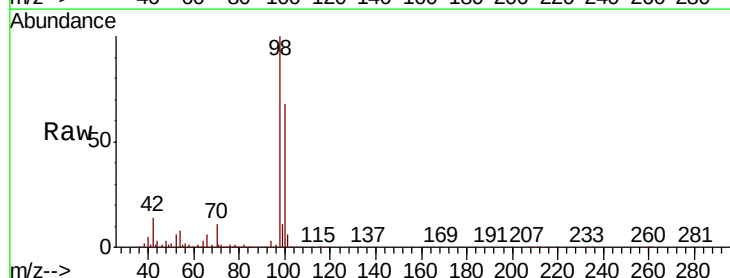


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

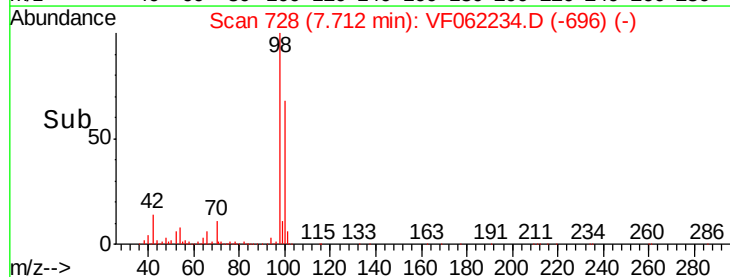
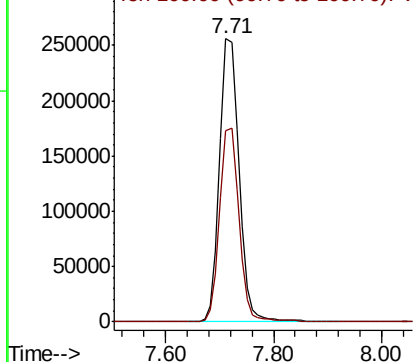


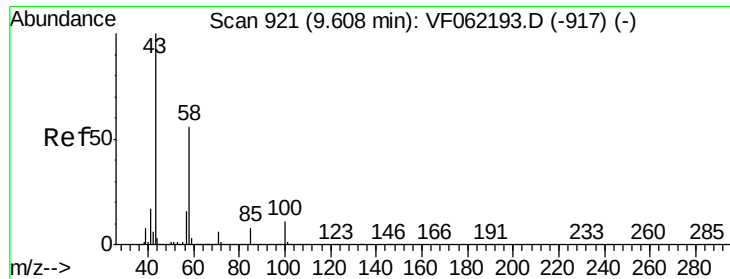
#50
Toluene-d8
Concen: 39.749 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion: 98 Resp: 641655
Ion Ratio Lower Upper
98 100
100 68.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

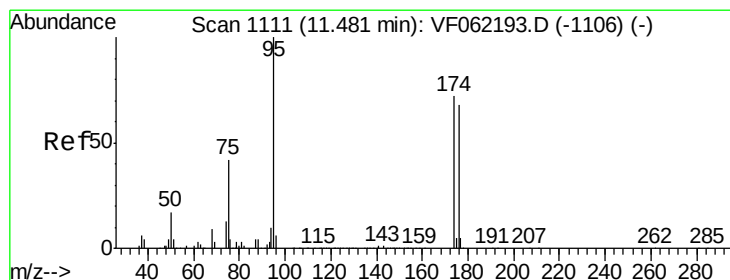
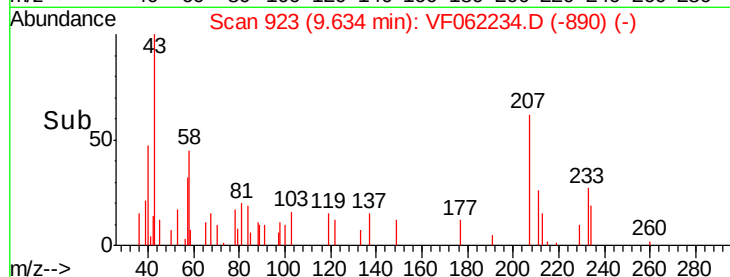
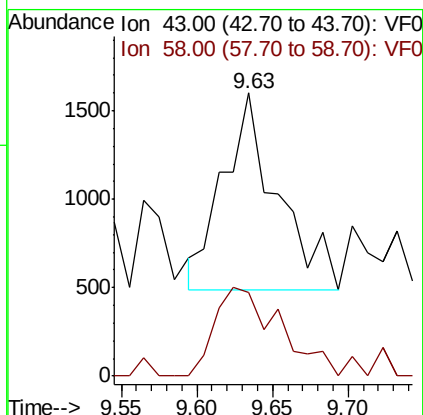
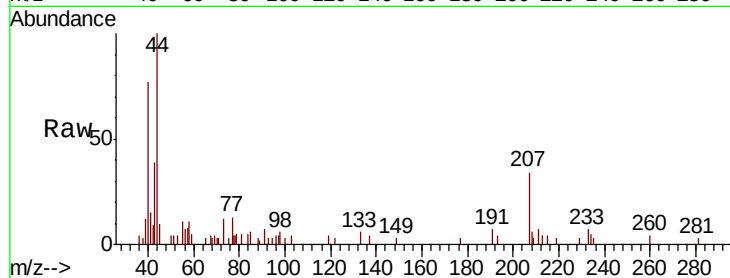




#59
2-Hexanone
Concen: 1.508 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

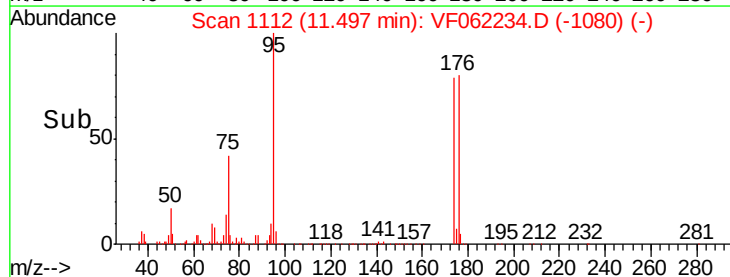
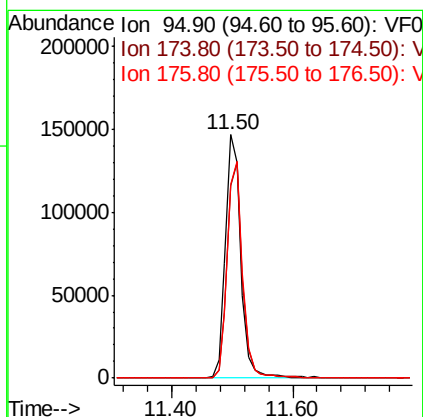
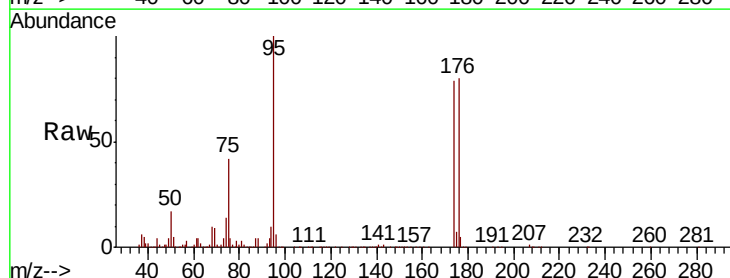
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418

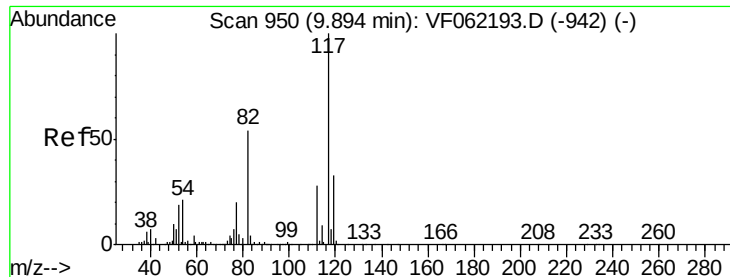
Tot Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
58 54.3 24.6 74.0



#62
4-Bromofluorobenzene
Concen: 41.670 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion: 95 Resp: 258769
Ion Ratio Lower Upper
95 100
174 87.6 0.0 159.4
176 88.9 0.0 155.4

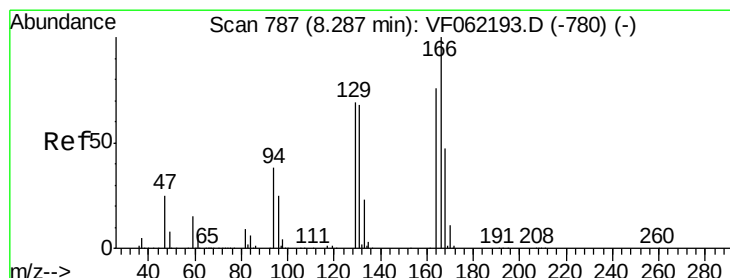
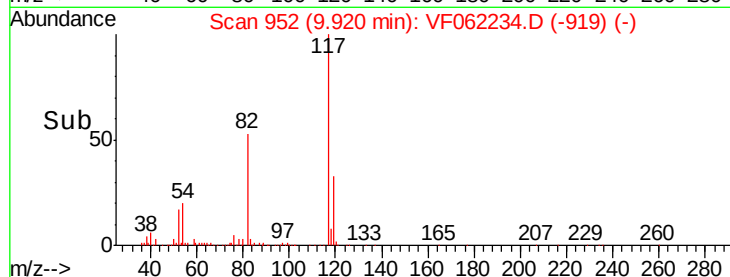
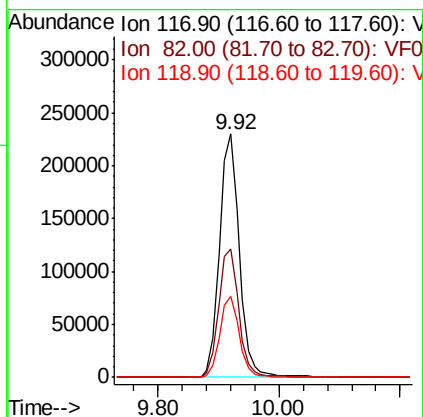
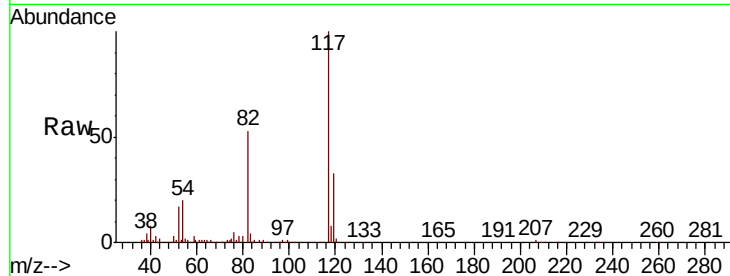




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

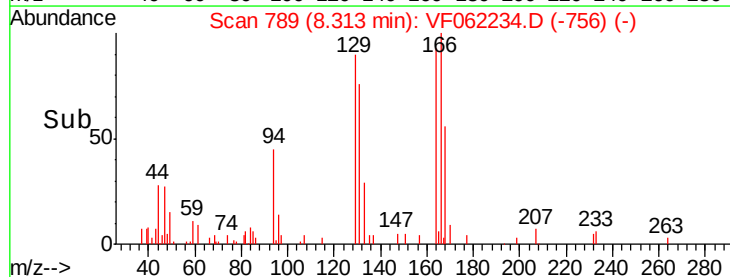
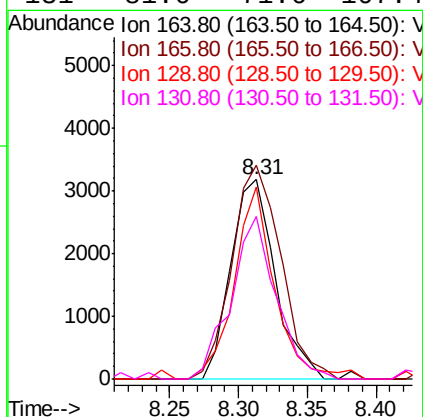
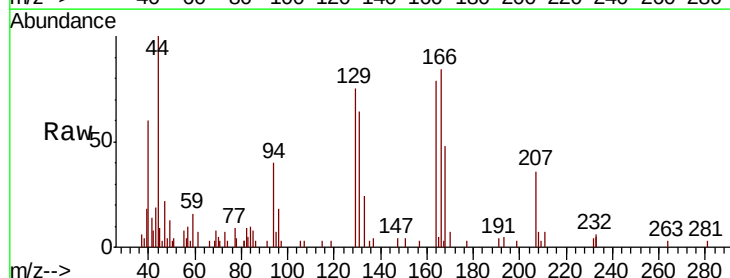
Instrument :
MSVOA_F
ClientSampleId :
TT-005-IDWSO-20190418

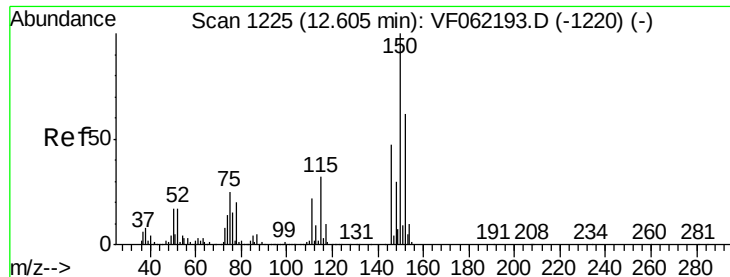
Tot Ion:117 Resp: 523618
Ion Ratio Lower Upper
117 100
82 52.9 43.2 64.8
119 33.4 26.2 39.4



#64
Tetrachloroethene
Concen: 1.509 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion:164 Resp: 7135
Ion Ratio Lower Upper
164 100
166 107.0 104.7 157.1
129 95.9 72.6 109.0
131 81.6 71.6 107.4



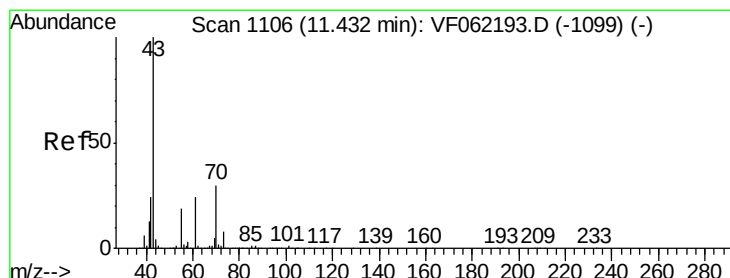
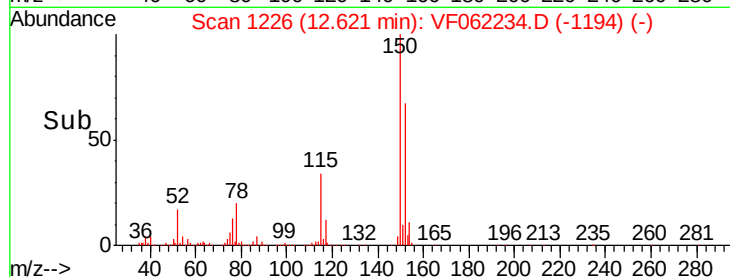
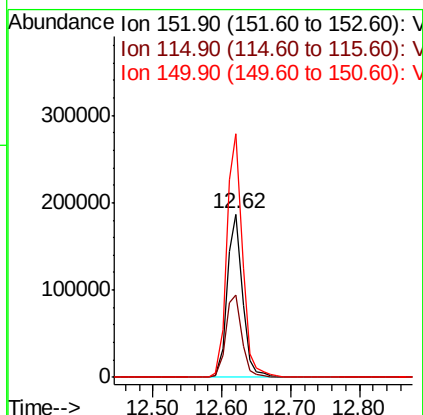
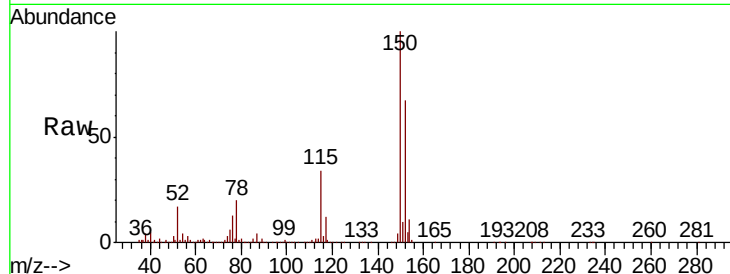


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

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

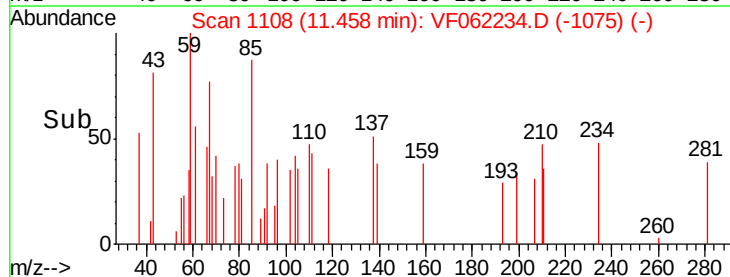
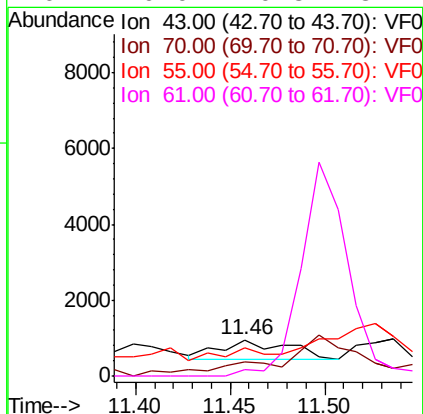
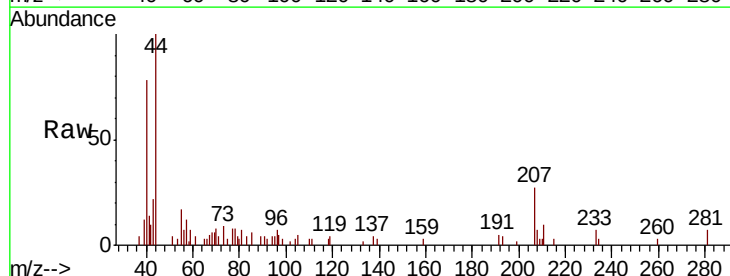
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.8	83.3
150	152.4	0.0	341.8

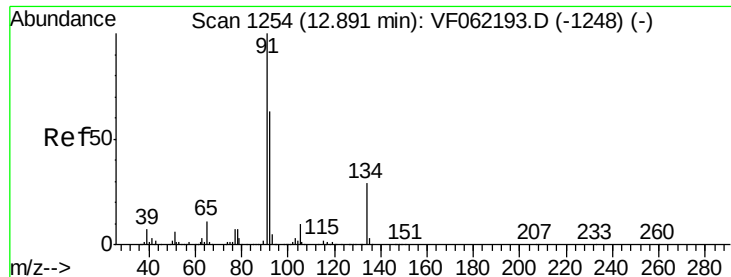


#74

N-amil acetate
Concen: Below Cal
RT: 11.46 min Scan# 1108
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.0	40.4#
55	37.1	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: VF062234.D

Acq: 19 Apr 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

TT-005-IDWSO-20190418

Tot Ion: 91 Resp: 1164

Ion Ratio Lower Upper

91 100

92 83.6 31.2 93.6

134 69.9 13.1 39.1#

