

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060454.D
 Acq On : 4 Oct 2018 23:39
 Operator : VA/AP
 Sample : J5179-01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 01:14:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	312376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	510759	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	433441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	242238	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	171754	35.14	ug/l	0.00
Spiked Amount			Recovery	=	70.28%	
35) Dibromofluoromethane	4.27	113	180998	37.72	ug/l	0.00
Spiked Amount			Recovery	=	75.44%	
50) Toluene-d8	7.69	98	395025	33.43	ug/l	0.00
Spiked Amount			Recovery	=	66.86%	
62) 4-Bromofluorobenzene	11.49	95	181415	33.62	ug/l	0.00
Spiked Amount			Recovery	=	67.24%	

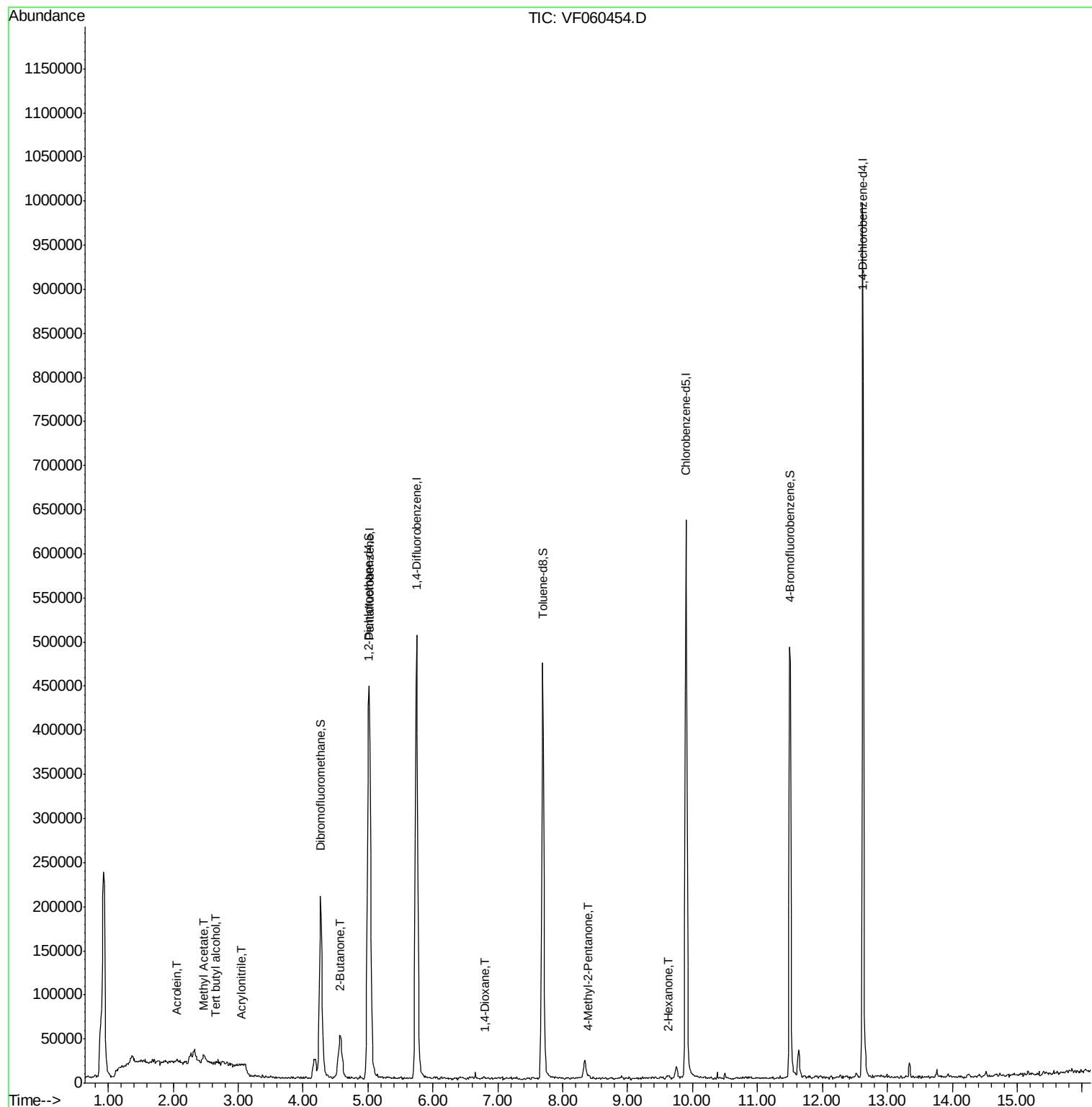
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	124	Below Cal	#	43
11) Tert butyl alcohol	2.66	59	435	1.471	ug/l #	1
13) Acrolein	2.05	56	607	2.553	ug/l	95
15) Acrylonitrile	3.04	53	897	1.771	ug/l #	58
16) Acetone	2.47	43	6780	Below Cal		98
18) Methyl Acetate	2.47	43	9290	3.400	ug/l #	57
20) Methylene Chloride	2.33	84	6827	Below Cal		89
25) 2-Butanone	4.57	43	3761	2.972	ug/l	94
29) Tetrahydrofuran	4.24	42	775	Below Cal	#	89
49) 1,4-Dioxane	6.79	88	96	5.322	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	2529	1.219	ug/l #	64
59) 2-Hexanone	9.61	43	4072	2.676	ug/l	75

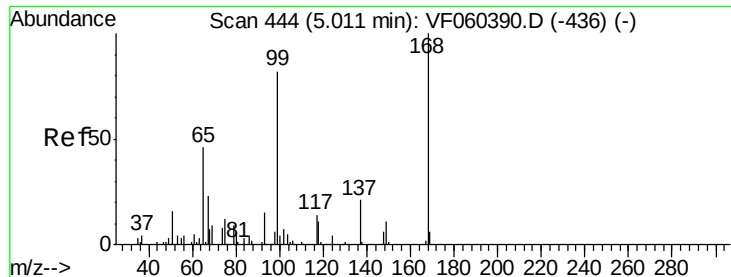
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
Data File : VF060454.D
Acq On : 4 Oct 2018 23:39
Operator : VA/AP
Sample : J5179-01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Oct 05 01:14:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060454.D

Acq: 4 Oct 2018 23:39

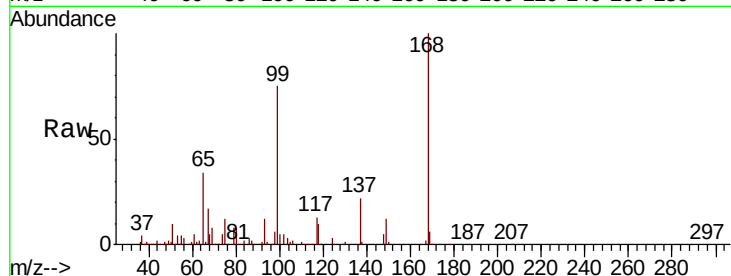
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 312376

Ion Ratio Lower Upper

168 100

99 75.2 65.3 97.9

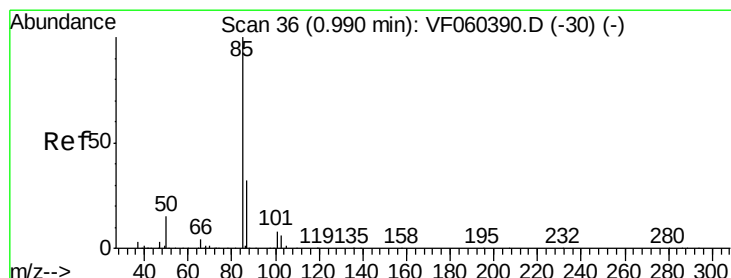
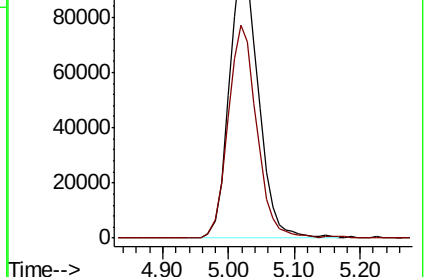
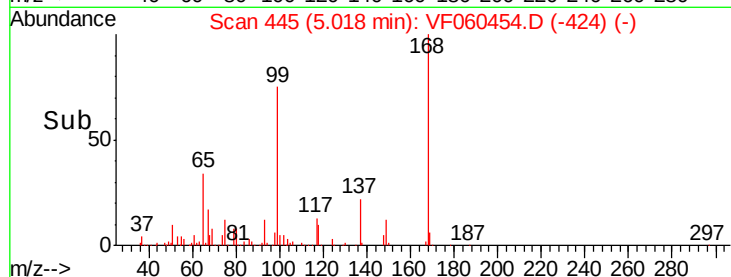


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.96 min Scan# 33

Delta R.T. -0.03 min

Lab File: VF060454.D

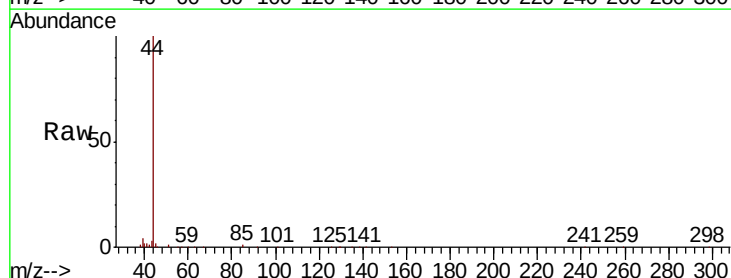
Acq: 4 Oct 2018 23:39

Tgt Ion: 85 Resp: 124

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#

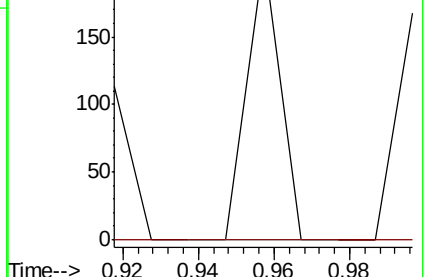
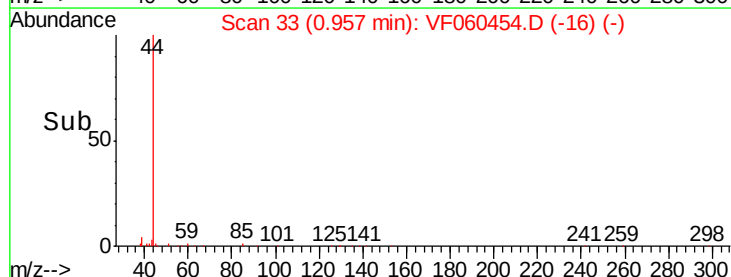


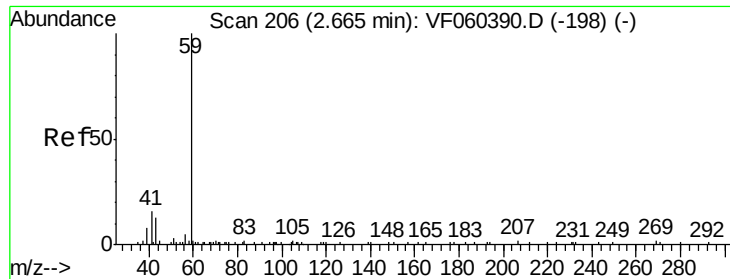
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->



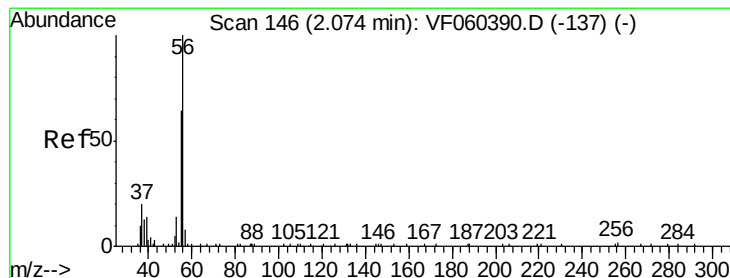
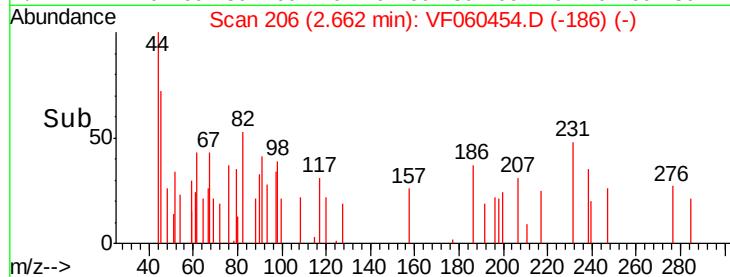
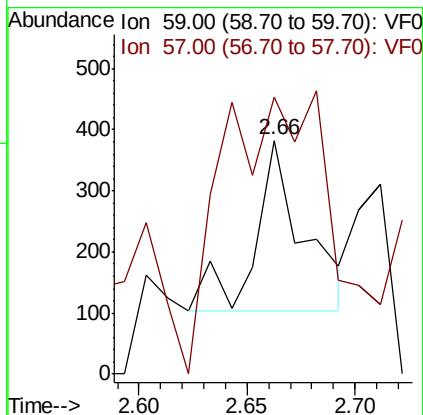
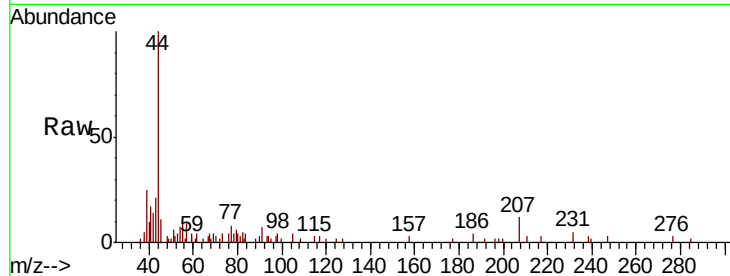


#11

Tert butyl alcohol
 Concen: 1.471 ug/l
 RT: 2.66 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: VF060454.D
 Acq: 4 Oct 2018 23:39

Instrument :
 MSVOA_F
 ClientSampleId :

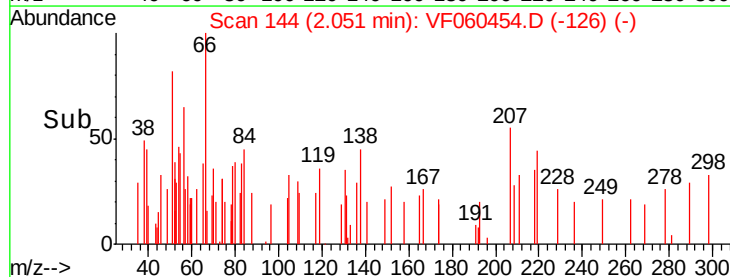
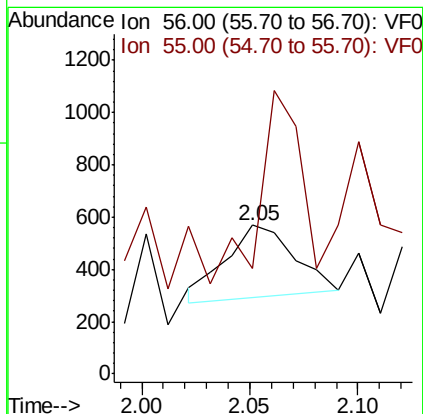
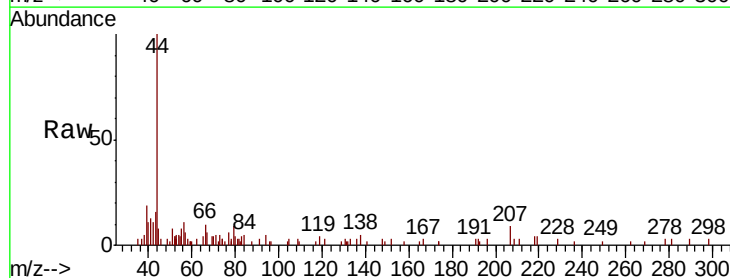
Tot Ion: 59 Resp: 435
 Ion Ratio Lower Upper
 59 100
 57 118.3 6.5 9.7#

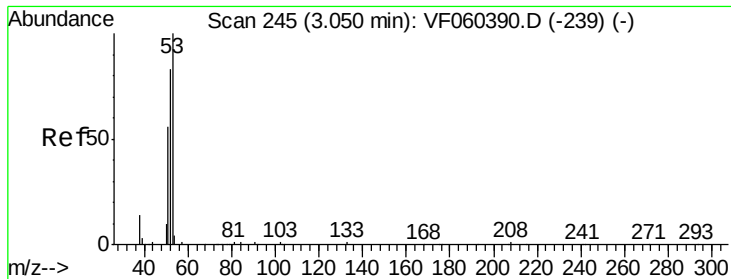


#13

Acrolein
 Concen: 2.553 ug/l
 RT: 2.05 min Scan# 144
 Delta R.T. -0.02 min
 Lab File: VF060454.D
 Acq: 4 Oct 2018 23:39

Tgt Ion: 56 Resp: 607
 Ion Ratio Lower Upper
 56 100
 55 71.1 53.9 80.9





#15

Acrylonitrile

Concen: 1.771 ug/l

RT: 3.04 min Scan# 244

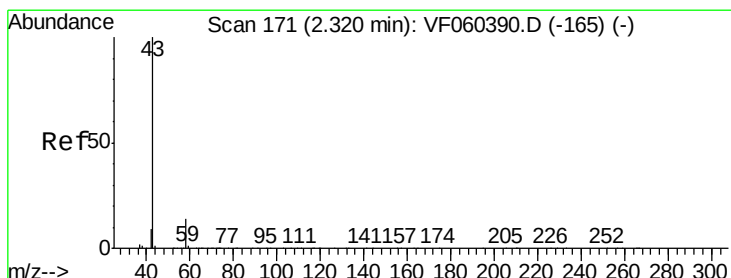
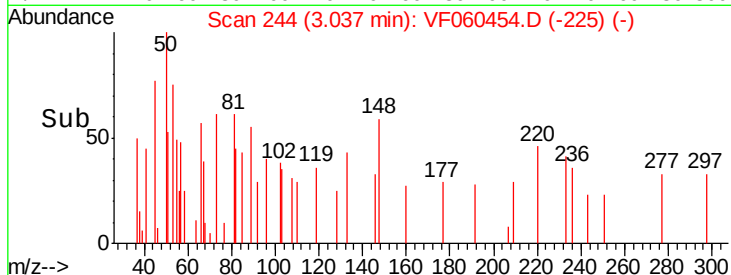
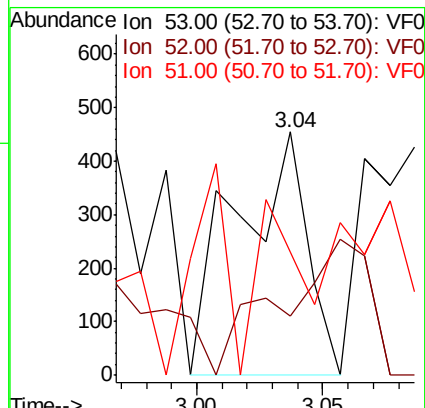
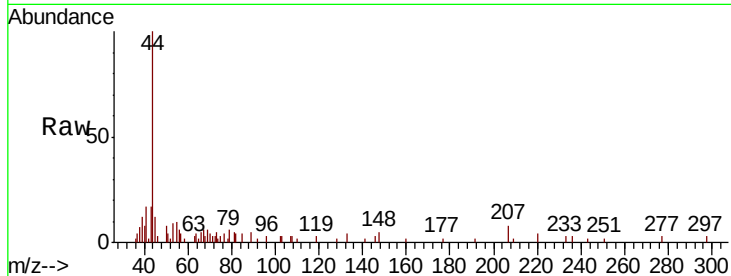
Delta R.T. -0.01 min

Lab File: VF060454.D

Acq: 4 Oct 2018 23:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	897
Ion	Ratio	Lower	Upper
53	100		
52	24.4	66.0	99.0#
51	50.8	45.6	68.4



#16

Acetone

Concen: Below Cal

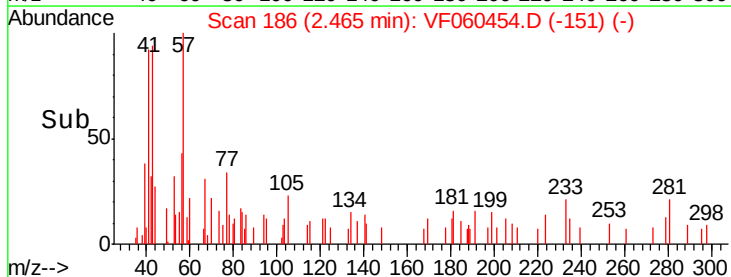
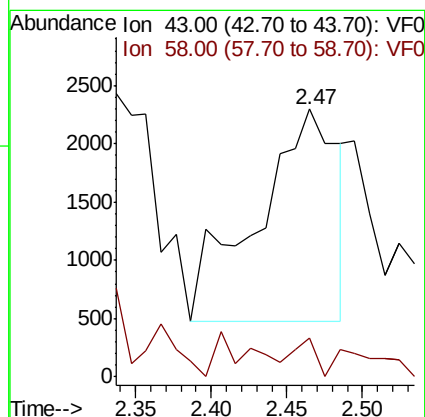
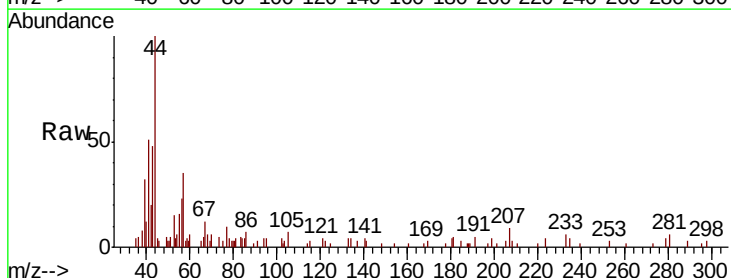
RT: 2.47 min Scan# 186

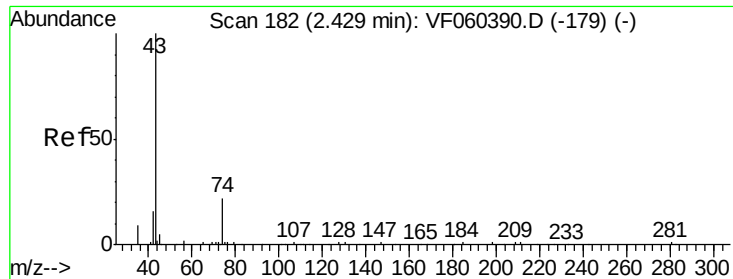
Delta R.T. 0.15 min

Lab File: VF060454.D

Acq: 4 Oct 2018 23:39

Tgt Ion:	43	Resp:	6780
Ion	Ratio	Lower	Upper
43	100		
58	14.6	11.2	16.8

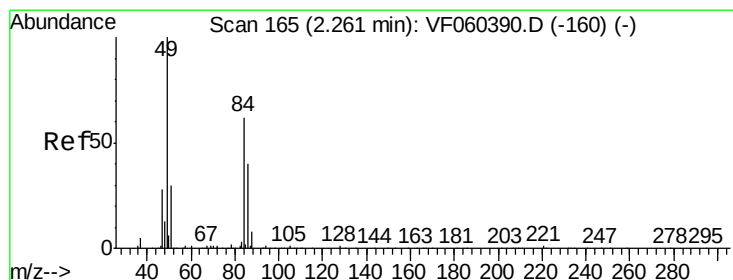
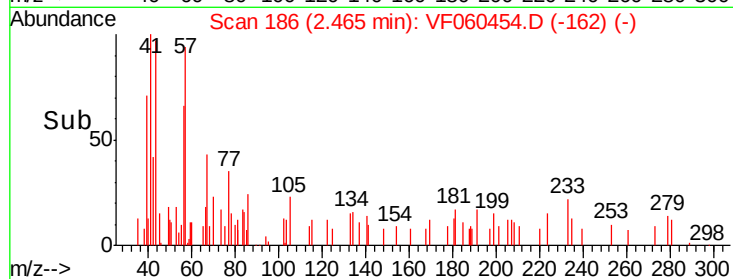
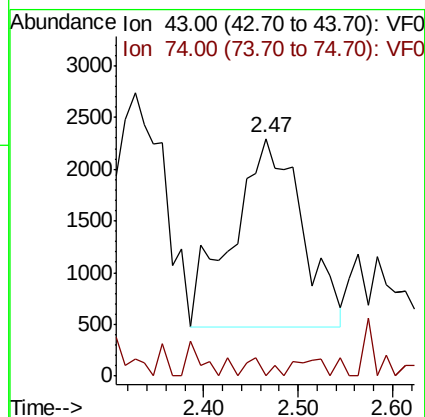
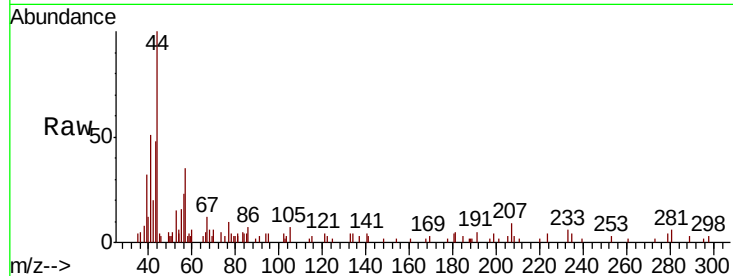




#18
Methyl Acetate
Concen: 3.400 ug/l
RT: 2.47 min Scan# 186
Delta R.T. 0.04 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

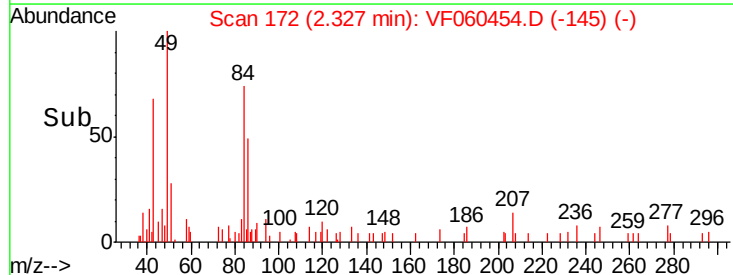
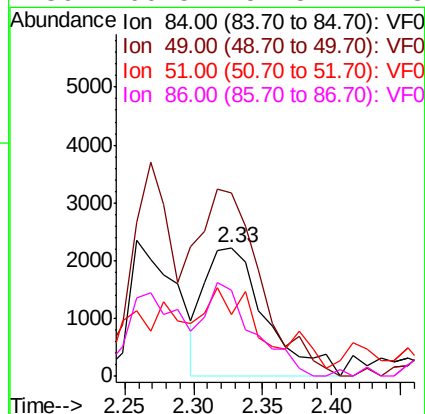
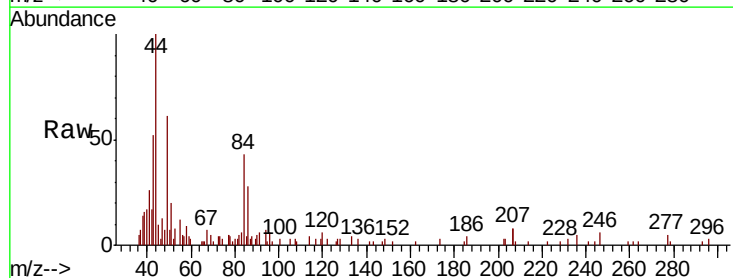
Instrument :
MSVOA_F
ClientSampleId :

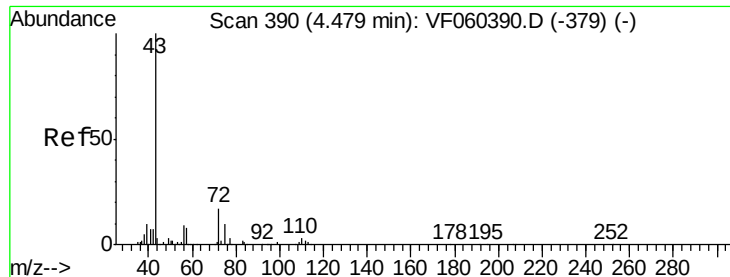
Tot Ion: 43 Resp: 9290
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 172
Delta R.T. 0.07 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

Tgt Ion: 84 Resp: 6827
Ion Ratio Lower Upper
84 100
49 142.1 130.2 195.2
51 47.9 41.0 61.6
86 66.5 51.5 77.3





#25

2-Butanone

Concen: 2.972 ug/l

RT: 4.57 min Scan# 400

Delta R.T. 0.10 min

Lab File: VF060454.D

Acq: 4 Oct 2018 23:39

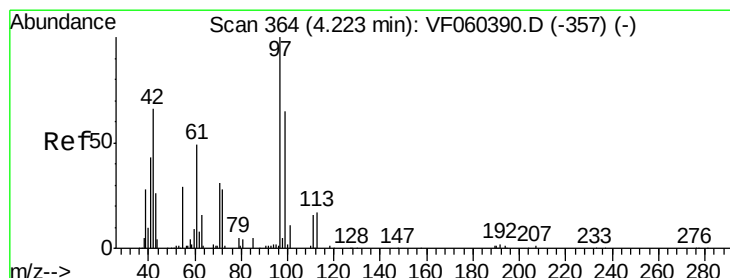
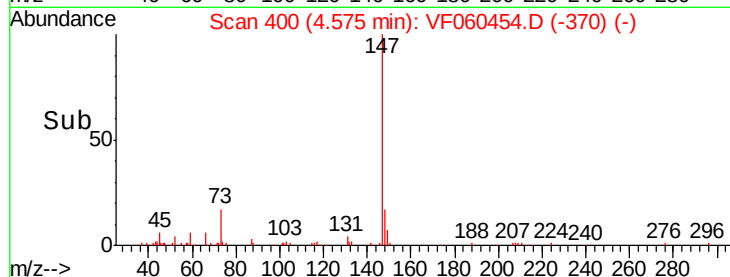
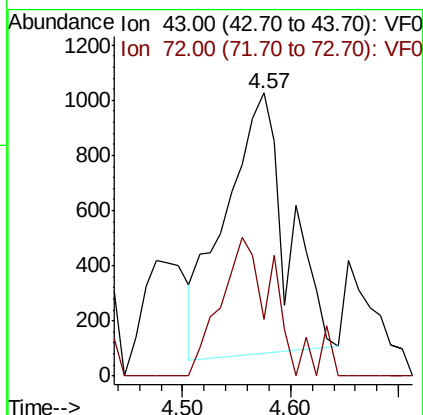
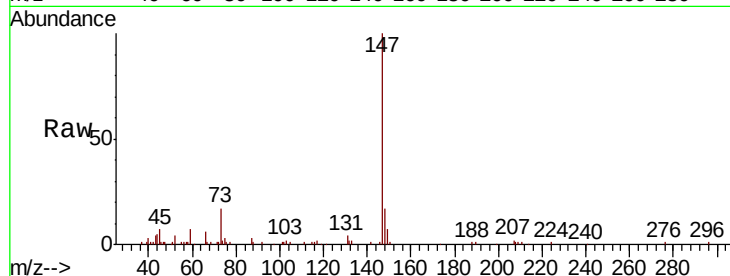
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3761

Ion Ratio Lower Upper

43 100

72 20.1 14.1 21.1



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060454.D

Acq: 4 Oct 2018 23:39

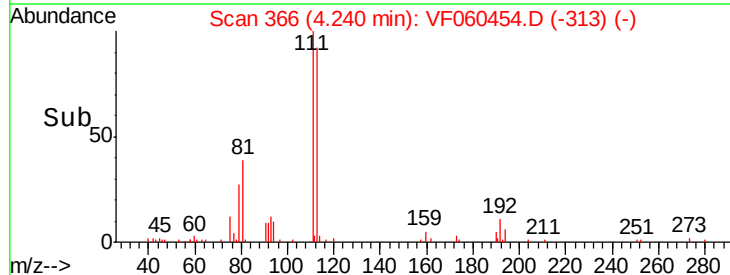
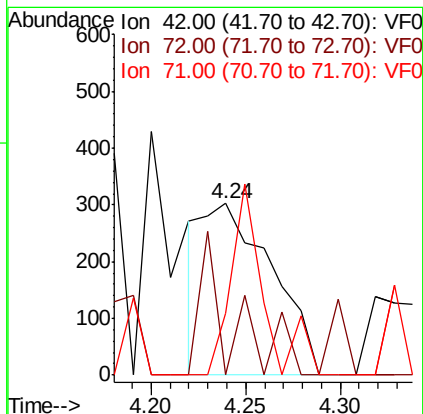
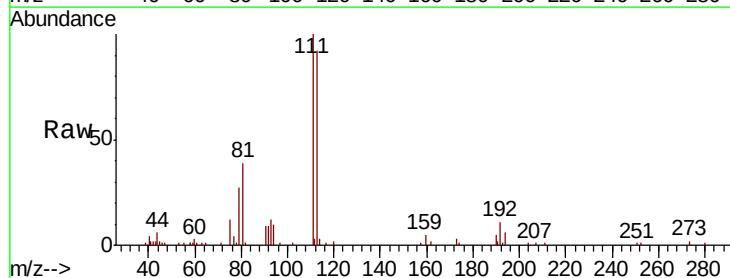
Tgt Ion: 42 Resp: 775

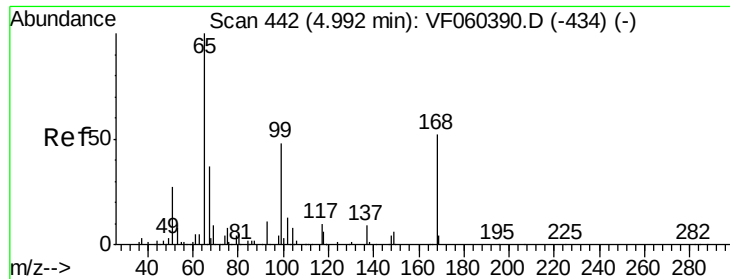
Ion Ratio Lower Upper

42 100

72 38.6 33.6 50.4

71 51.6 32.7 49.1#

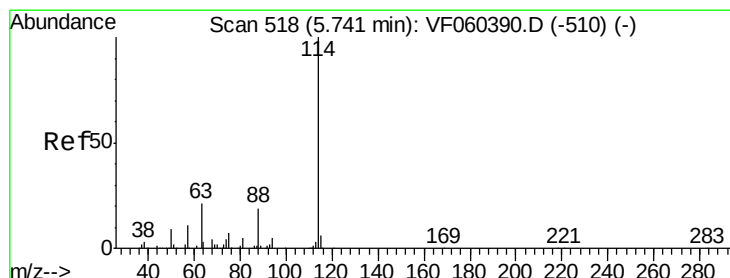
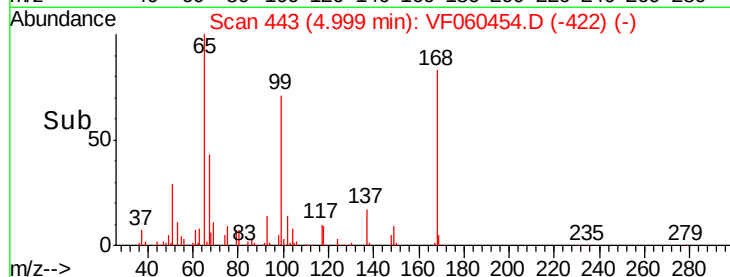
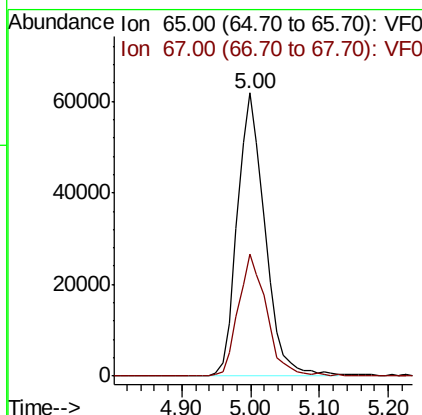
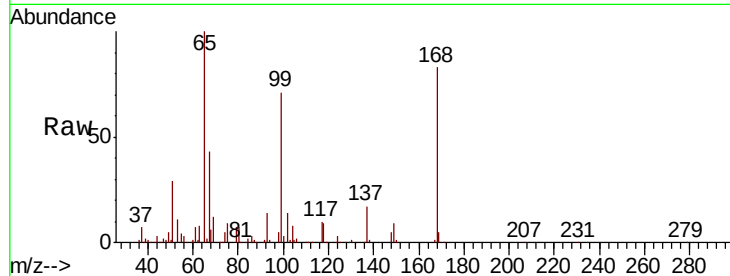




#33
 1,2-Dichloroethane-d4
 Concen: 35.138 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060454.D
 Acq: 4 Oct 2018 23:39

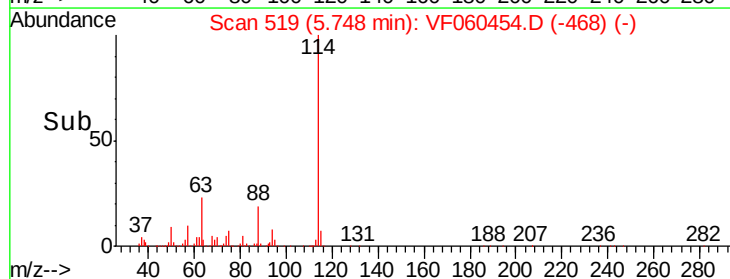
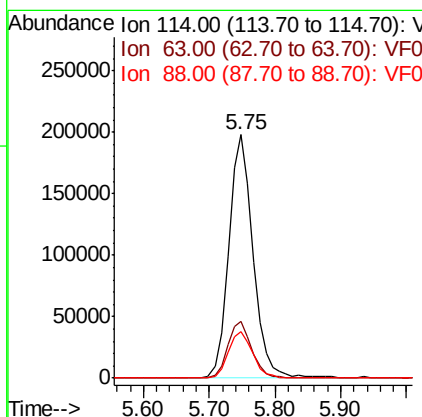
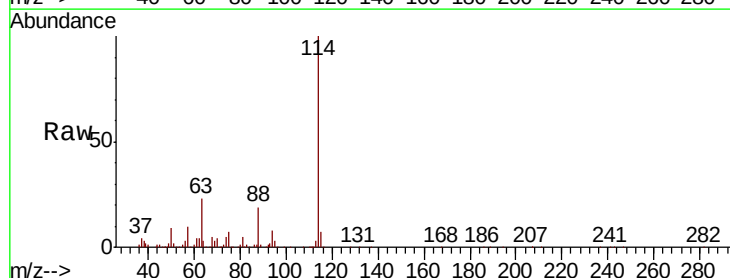
Instrument :
 MSVOA_F
 ClientSampleId :

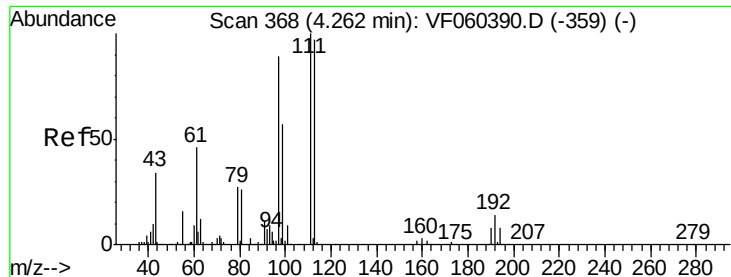
Tot Ion: 65 Resp: 171754
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060454.D
 Acq: 4 Oct 2018 23:39

Tgt Ion: 114 Resp: 510759
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.2
 88 19.0 0.0 38.8

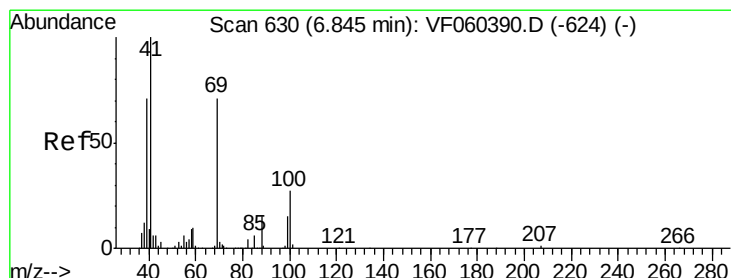
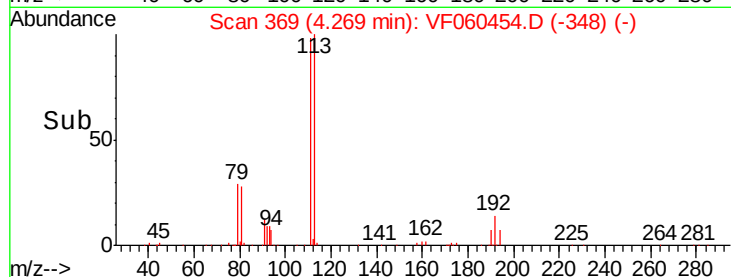
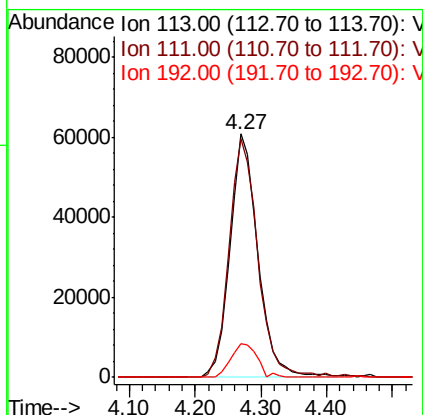
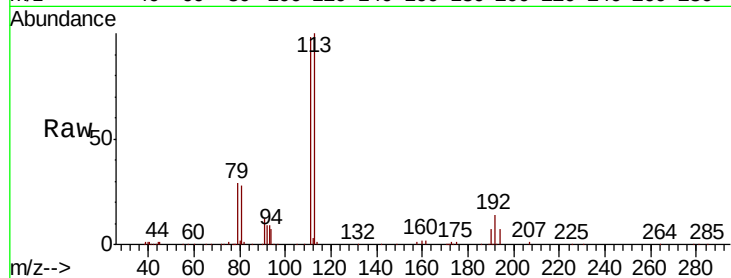




#35
 Dibromofluoromethane
 Concen: 37.722 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VF060454.D
 Acq: 4 Oct 2018 23:39

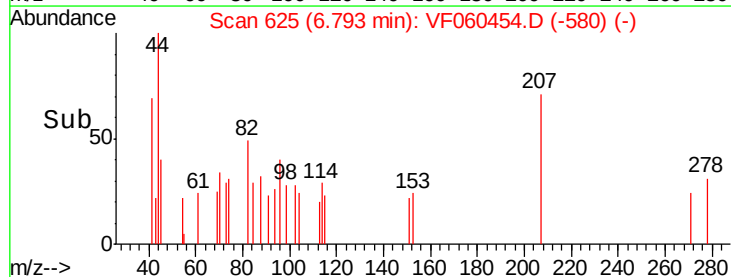
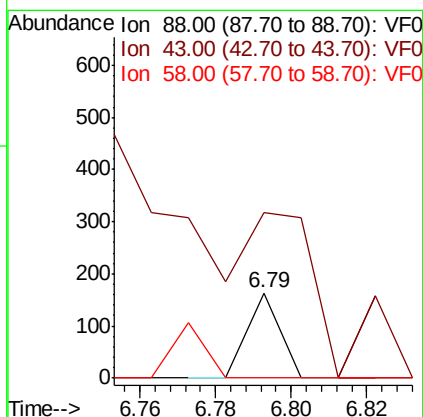
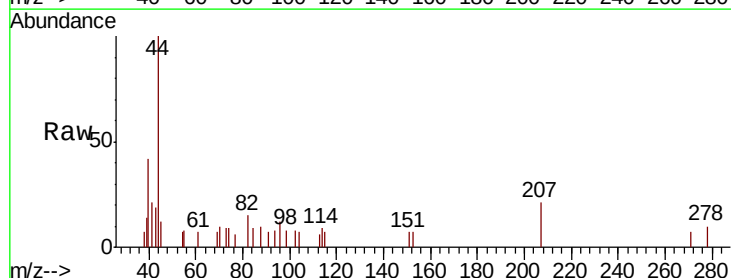
Instrument :
 MSVOA_F
 ClientSampleId :

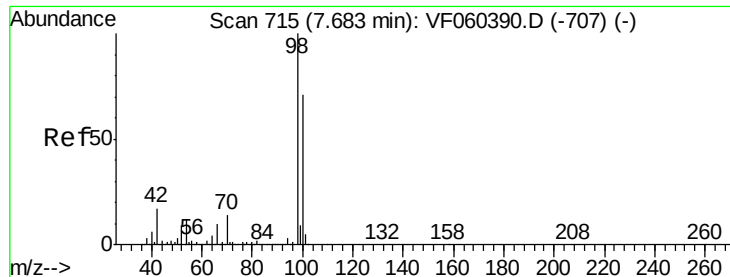
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	82.3	123.5
192	14.0	11.8	17.6



#49
 1,4-Dioxane
 Concen: 5.322 ug/l
 RT: 6.79 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: VF060454.D
 Acq: 4 Oct 2018 23:39

Tgt Ion	Ratio	Lower	Upper
88	100		
43	195.1	38.3	57.5#
58	0.0	47.4	71.2#

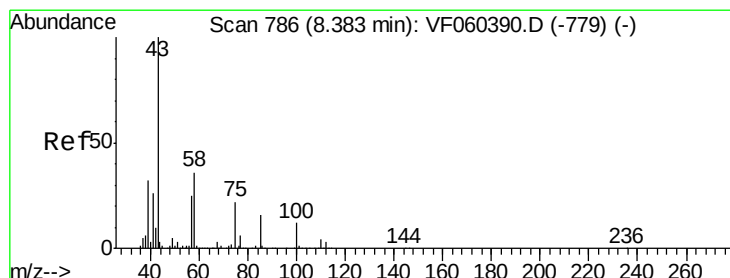
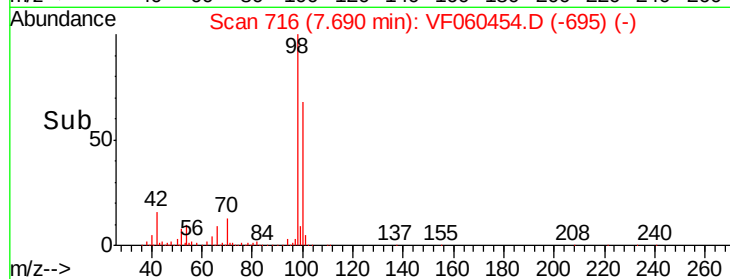
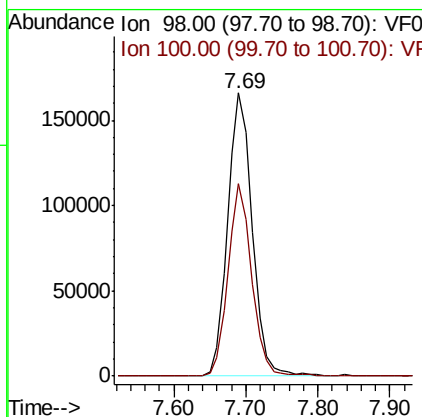
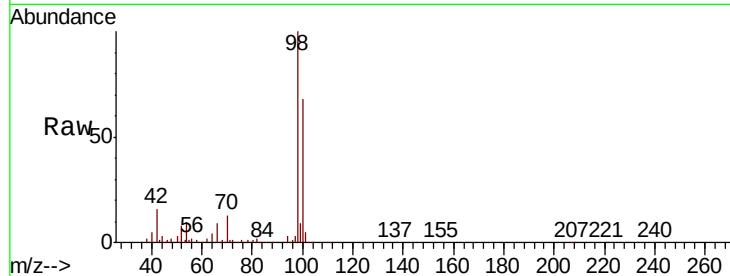




#50
Toluene-d8
Concen: 33.428 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

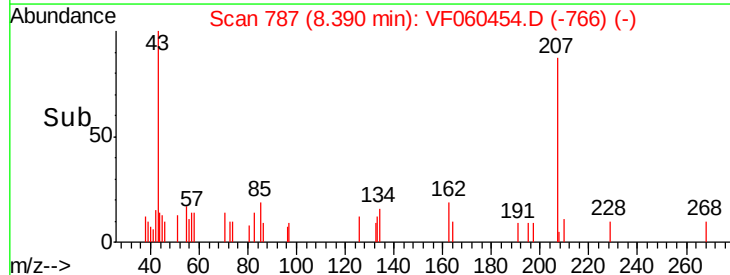
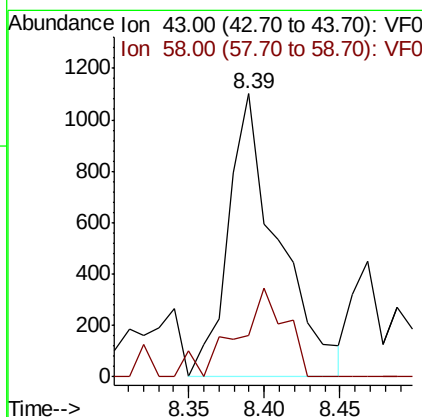
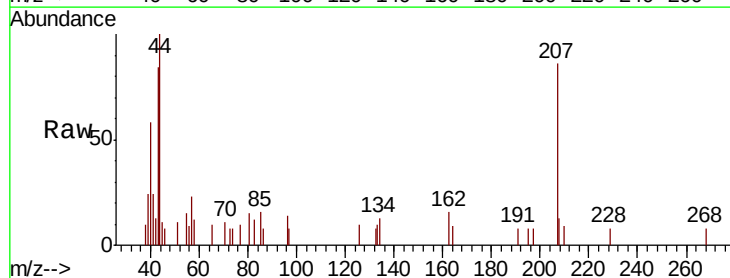
Instrument :
MSVOA_F
ClientSampleId :

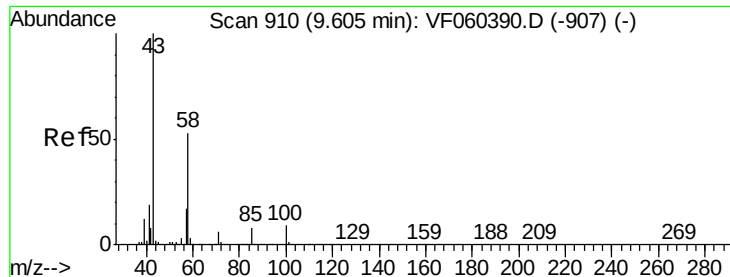
Tot Ion: 98 Resp: 395025
Ion Ratio Lower Upper
98 100
100 67.9 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 1.219 ug/l
RT: 8.39 min Scan# 787
Delta R.T. 0.01 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

Tgt Ion: 43 Resp: 2529
Ion Ratio Lower Upper
43 100
58 14.4 28.5 42.7#

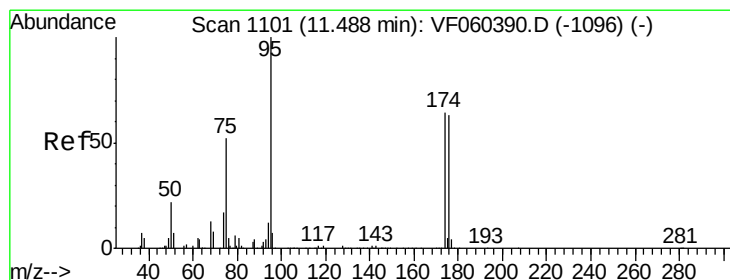
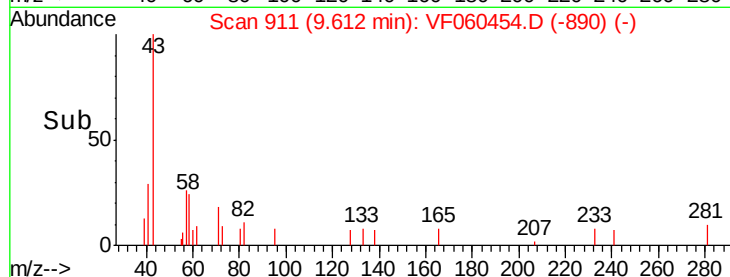
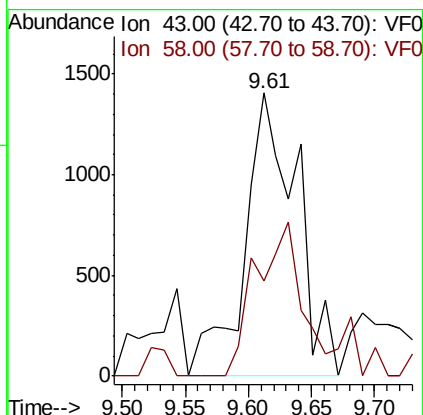
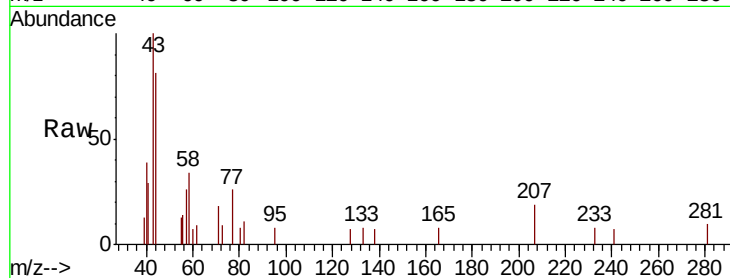




#59
2-Hexanone
Concen: 2.676 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

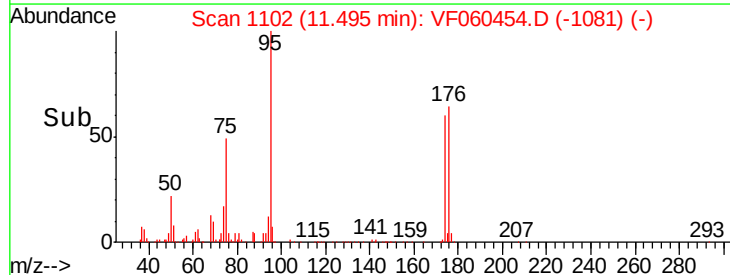
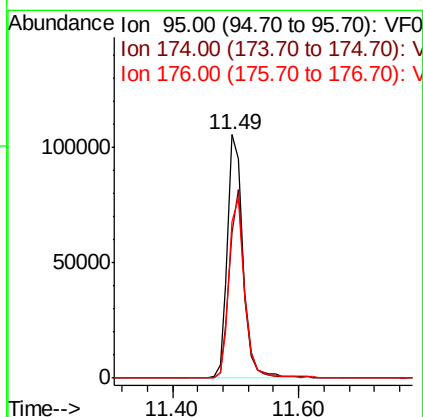
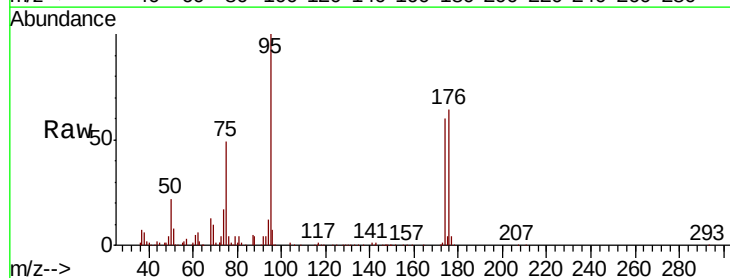
Instrument :
MSVOA_F
ClientSampleId :

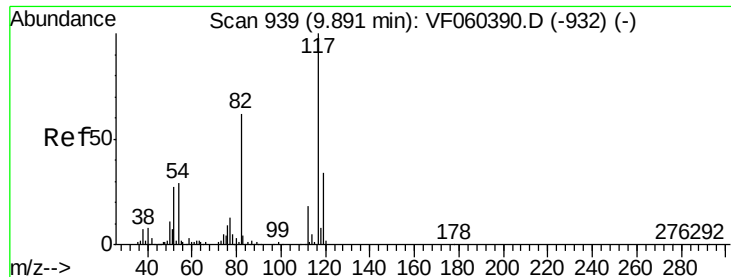
Tot Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
58 33.6 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 33.622 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

Tgt Ion: 95 Resp: 181415
Ion Ratio Lower Upper
95 100
174 59.7 0.0 129.0
176 64.3 0.0 125.6

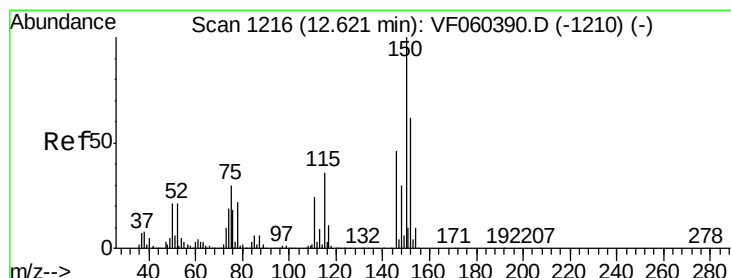
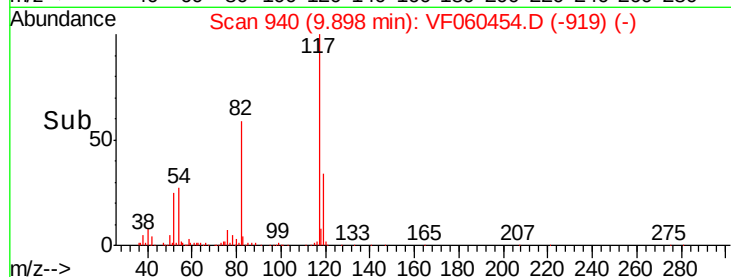
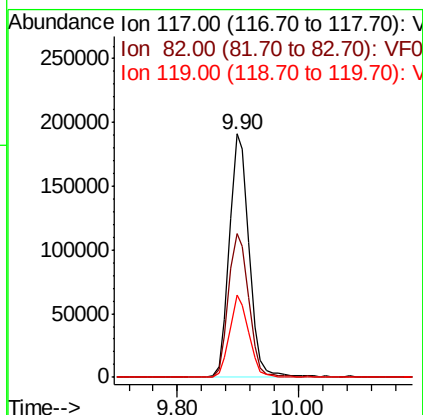
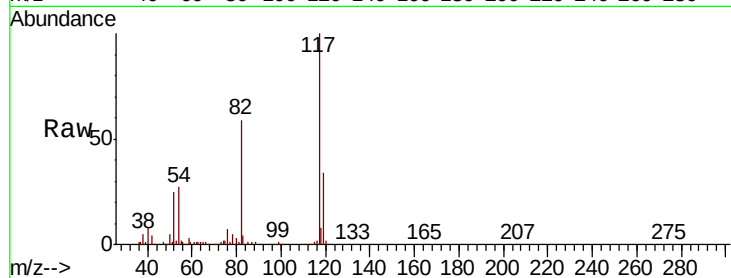




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 433441
Ion Ratio Lower Upper
117 100
82 59.3 49.5 74.3
119 33.7 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060454.D
Acq: 4 Oct 2018 23:39

Tgt Ion:152 Resp: 242238
Ion Ratio Lower Upper
152 100
115 63.2 28.6 85.8
150 150.8 0.0 324.6

