

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
 Data File : VF060485.D
 Acq On : 8 Oct 2018 15:34
 Operator : VA/AP
 Sample : J5084-11RE
 Misc : 6.00/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 09 01:30:48 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

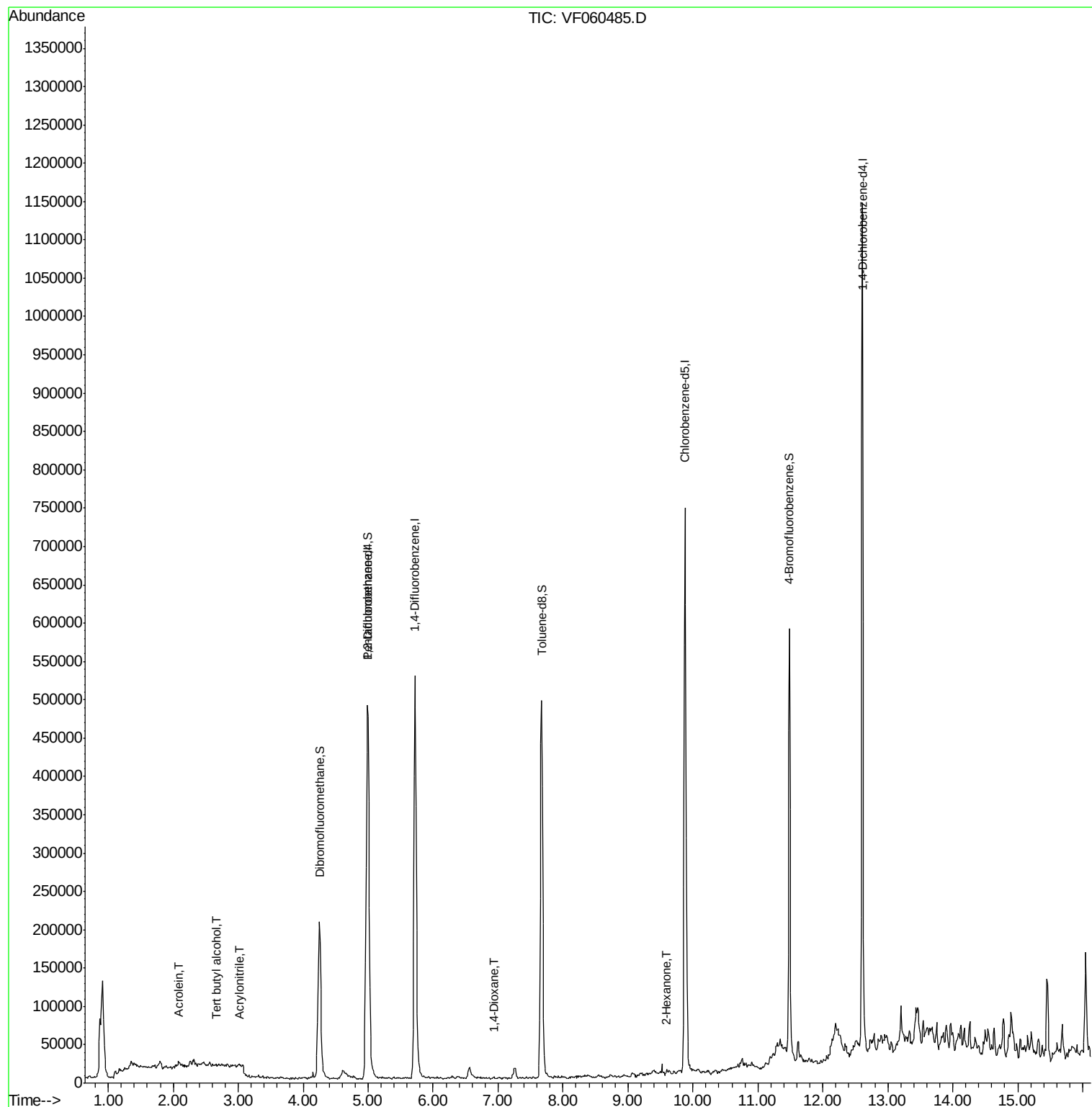
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	350283	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.72	114	563485	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	516530	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	269293	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	177999	32.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	64.94%	
35) Dibromofluoromethane	4.25	113	190146	35.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.84%	
50) Toluene-d8	7.67	98	422603	32.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	64.84%	
62) 4-Bromofluorobenzene	11.49	95	199416	33.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	283	Below Cal	#	43
11) Tert butyl alcohol	2.65	59	563	1.698	ug/l #	1
13) Acrolein	2.08	56	508	1.905	ug/l #	1
15) Acrylonitrile	3.02	53	663	1.167	ug/l #	24
16) Acetone	2.33	43	2649	Below Cal		95
18) Methyl Acetate	2.50	43	407	Below Cal		96
20) Methylene Chloride	2.26	84	2944	Below Cal	#	87
29) Tetrahydrofuran	4.21	42	947	Below Cal	#	42
49) 1,4-Dioxane	6.94	88	75	3.769	ug/l #	1
59) 2-Hexanone	9.59	43	3777	2.250	ug/l	75

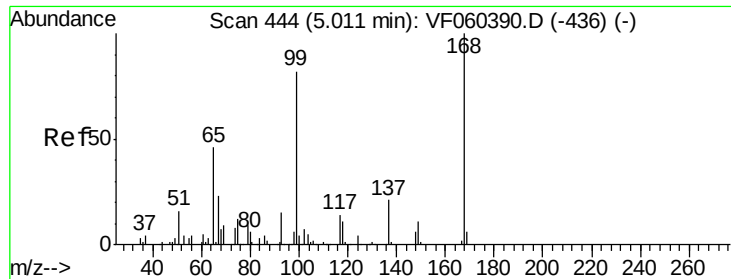
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 09 01:30:48 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: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060485.D

Acq: 8 Oct 2018 15:34

Instrument :

MSVOA_F

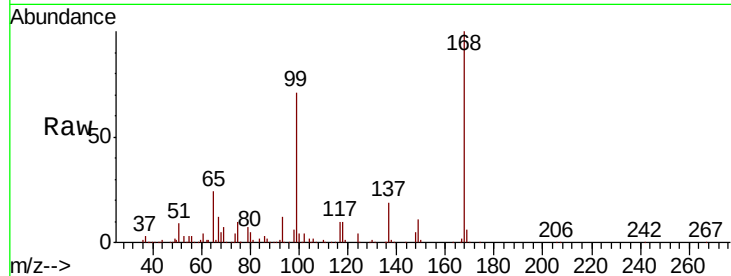
ClientSampleId :

Tot Ion:168 Resp: 350283

Ion Ratio Lower Upper

168 100

99 70.9 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

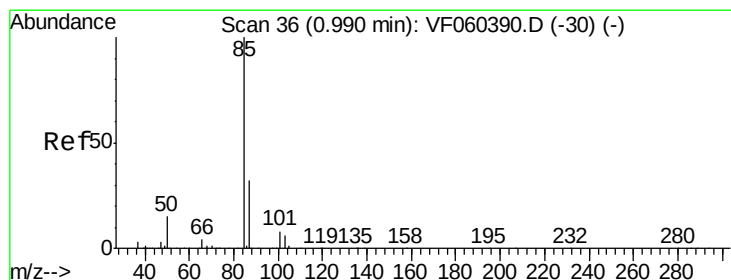
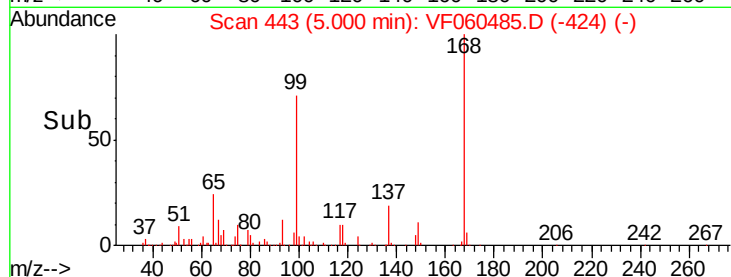
5.00

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060485.D

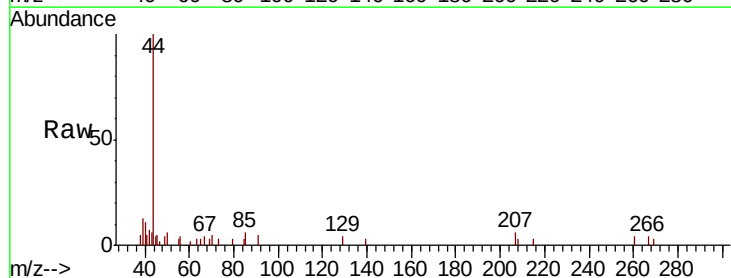
Acq: 8 Oct 2018 15:34

Tgt Ion: 85 Resp: 283

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

0.99

400

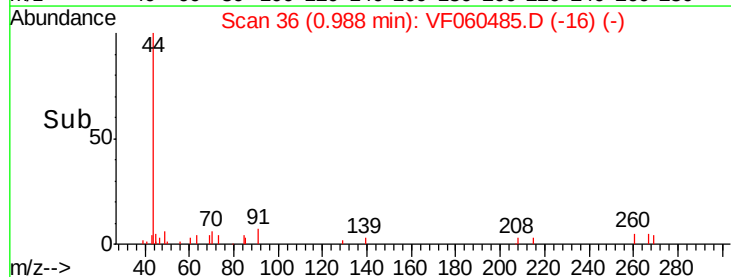
300

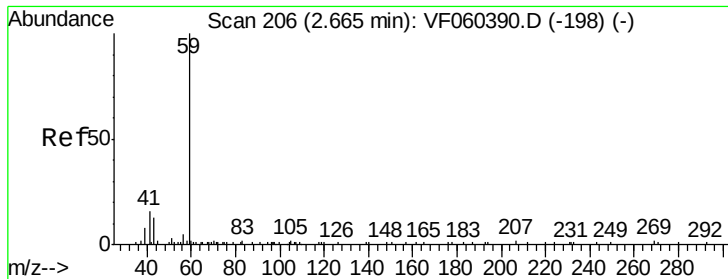
200

100

0

Time-->



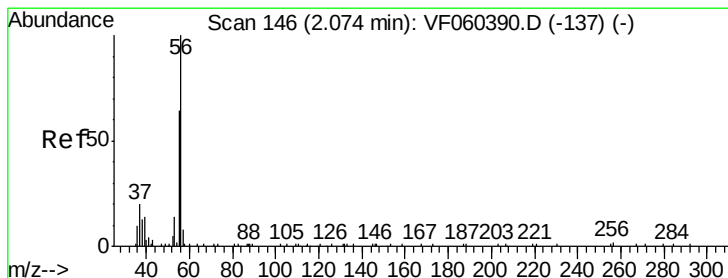
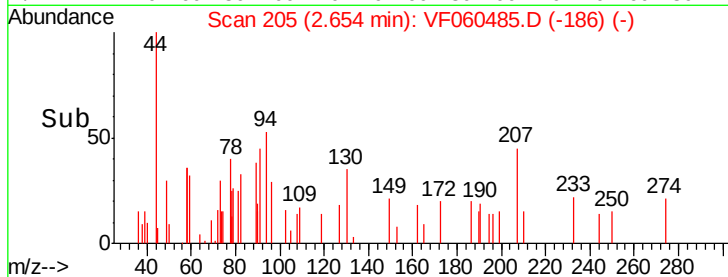
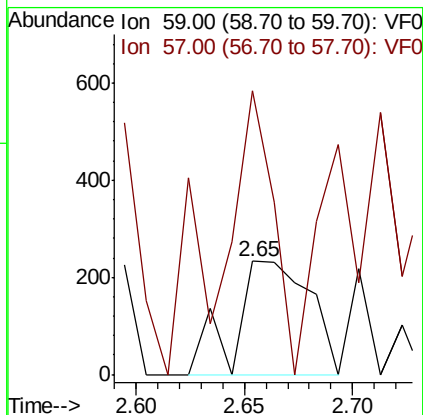
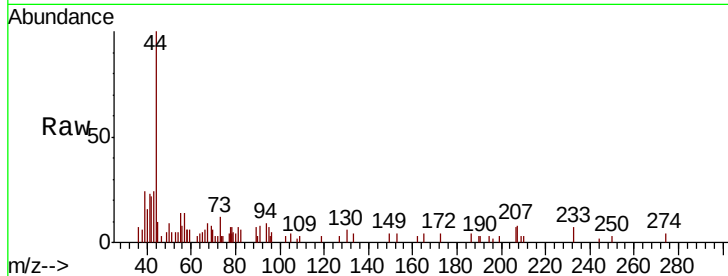


#11

Tert butyl alcohol
Concen: 1.698 ug/l
RT: 2.65 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

Instrument :
MSVOA_F
ClientSampled :

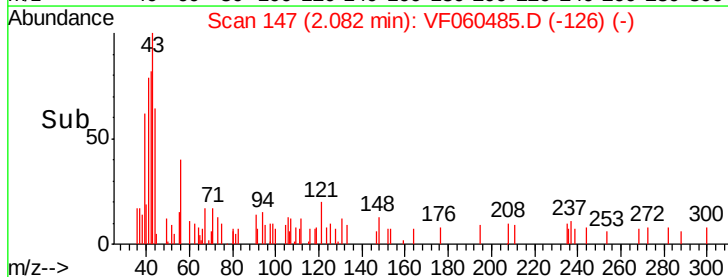
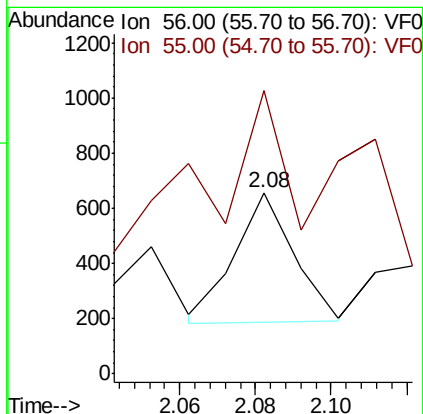
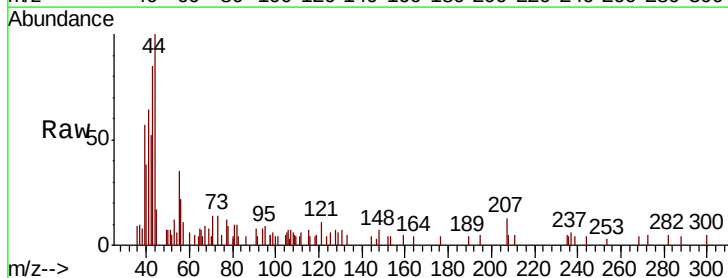
Tot Ion: 59 Resp: 563
Ion Ratio Lower Upper
59 100
57 250.2 6.5 9.7#

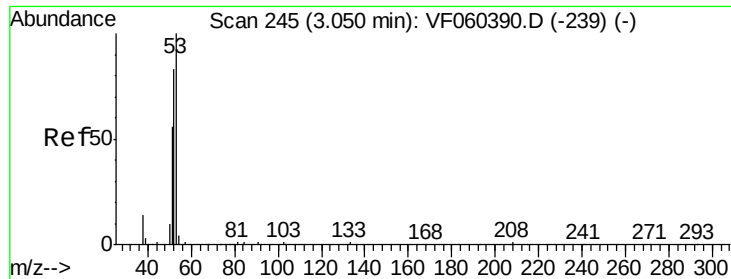


#13

Acrolein
Concen: 1.905 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

Tgt Ion: 56 Resp: 508
Ion Ratio Lower Upper
56 100
55 156.4 53.9 80.9#





#15

Acrylonitrile

Concen: 1.167 ug/l

RT: 3.02 min Scan# 242

Delta R.T. -0.03 min

Lab File: VF060485.D

Acq: 8 Oct 2018 15:34

Instrument :

MSVOA_F

ClientSampled :

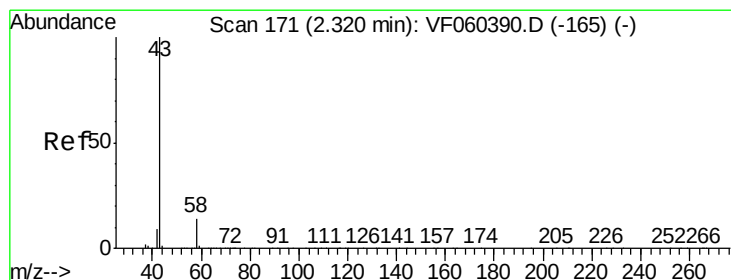
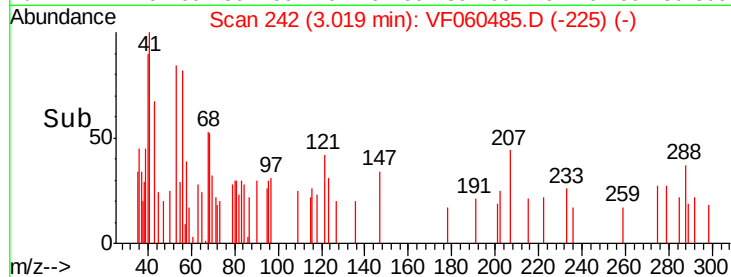
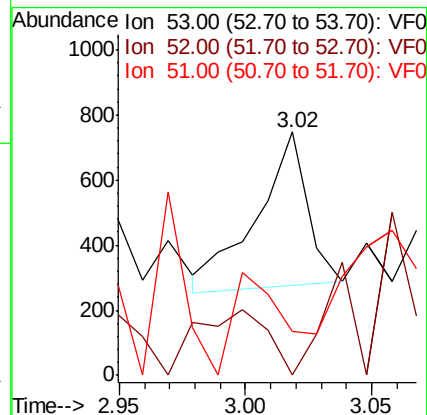
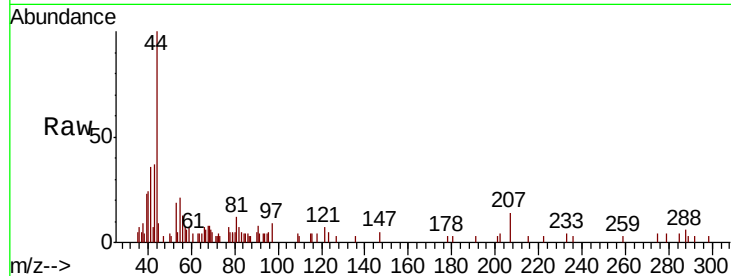
Tot Ion: 53 Resp: 663

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 18.2 45.6 68.4#



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060485.D

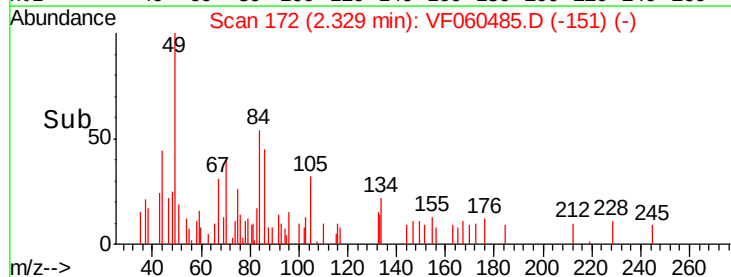
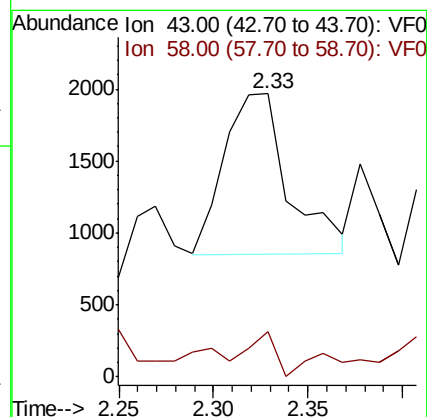
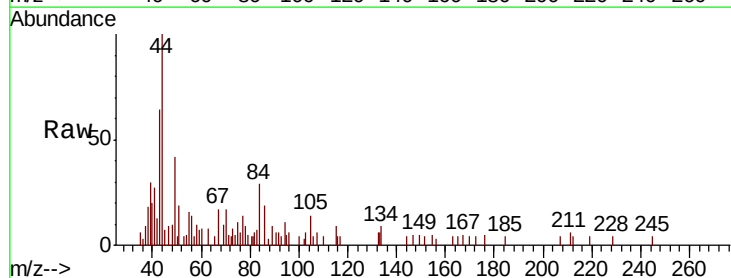
Acq: 8 Oct 2018 15:34

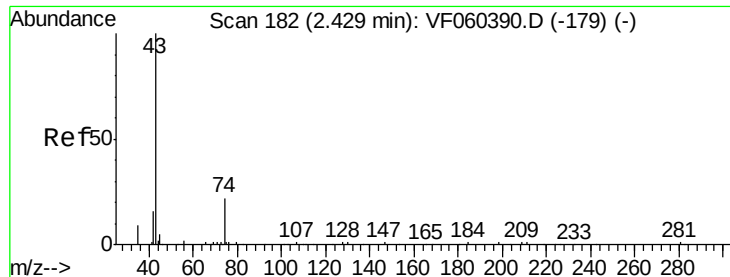
Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

58 16.2 11.2 16.8

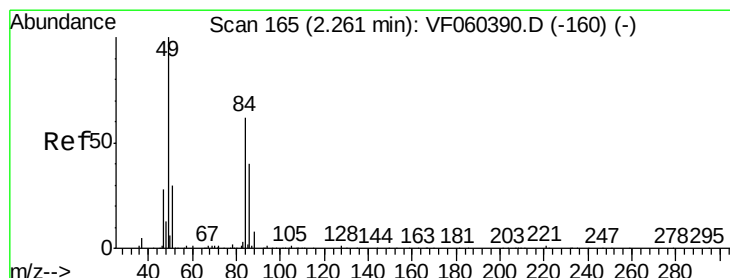
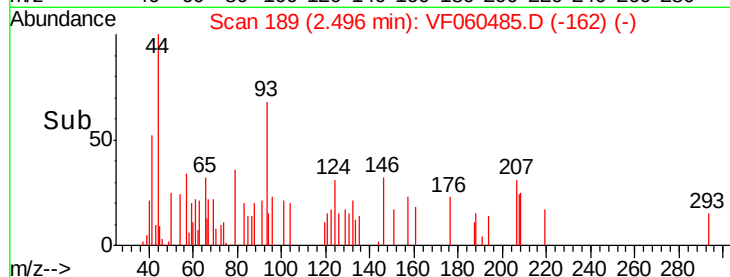
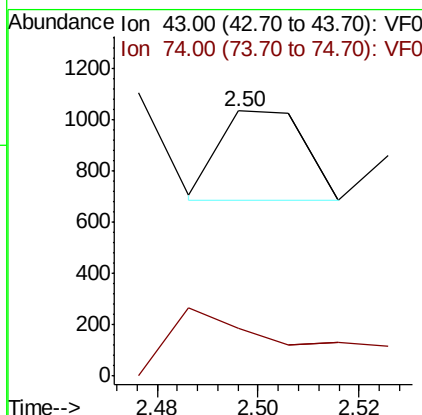
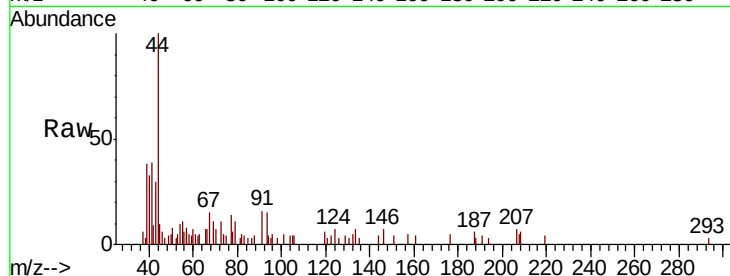




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 189
Delta R.T. 0.07 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

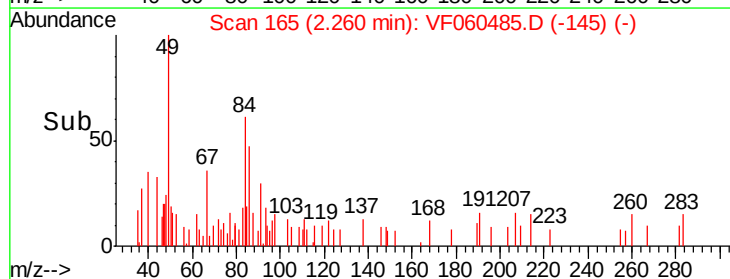
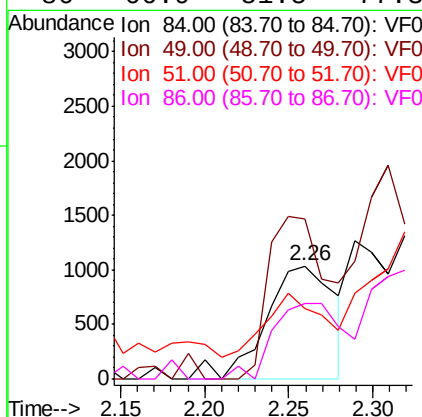
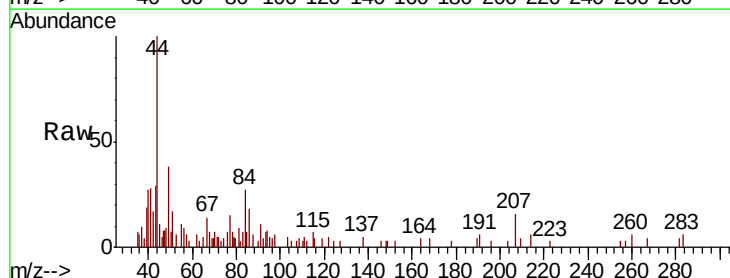
Instrument :
MSVOA_F
ClientSampleId :

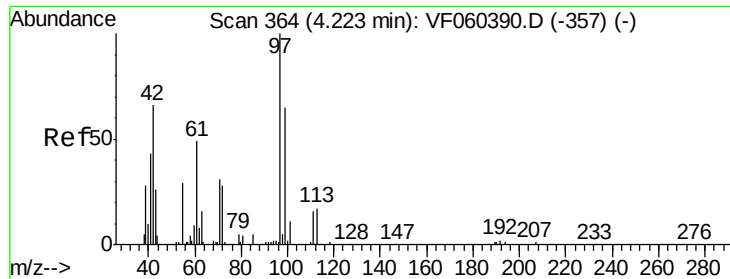
Tot Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
74 18.0 15.8 23.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

Tgt Ion: 84 Resp: 2944
Ion Ratio Lower Upper
84 100
49 141.1 130.2 195.2
51 62.8 41.0 61.6#
86 66.9 51.5 77.3





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.21 min Scan# 363

Delta R.T. -0.01 min

Lab File: VF060485.D

Acq: 8 Oct 2018 15:34

Instrument :

MSVOA_F

ClientSampleId :

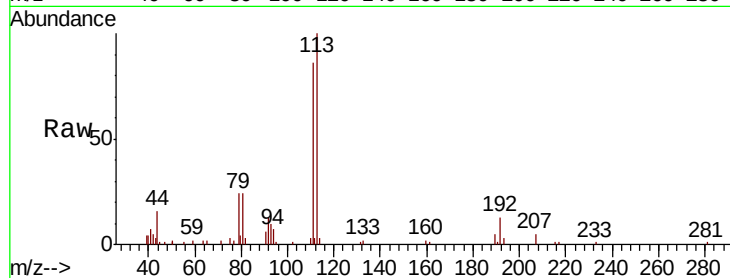
Tot Ion: 42 Resp: 947

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

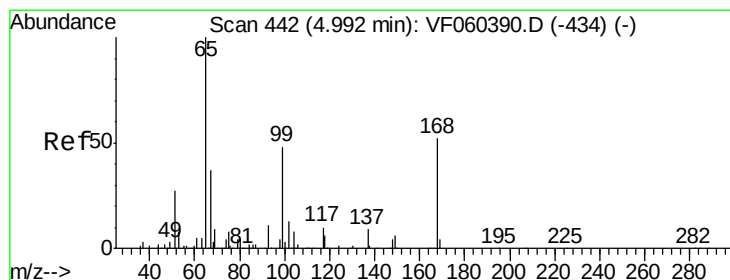
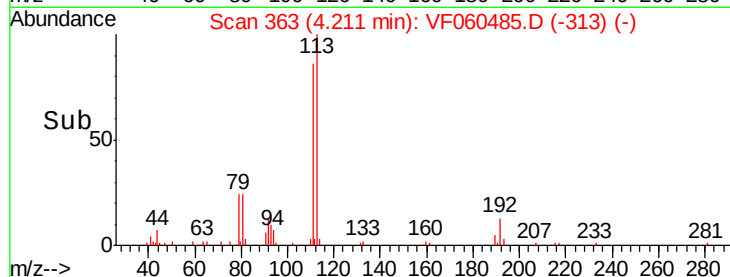
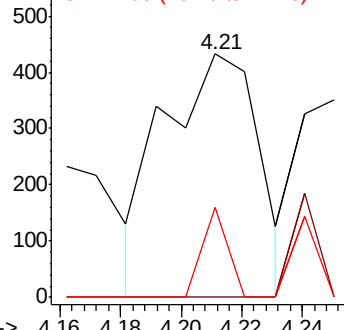
71 9.9 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 32.475 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF060485.D

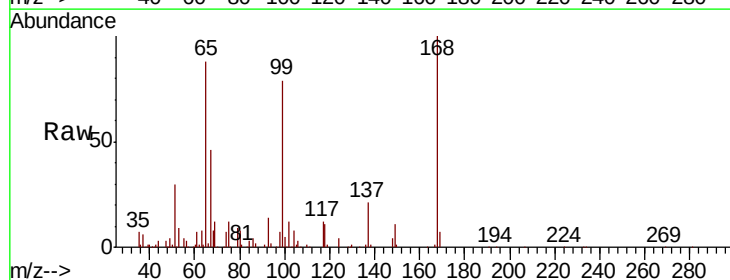
Acq: 8 Oct 2018 15:34

Tgt Ion: 65 Resp: 177999

Ion Ratio Lower Upper

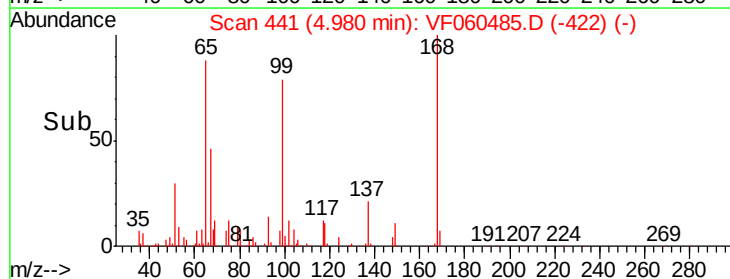
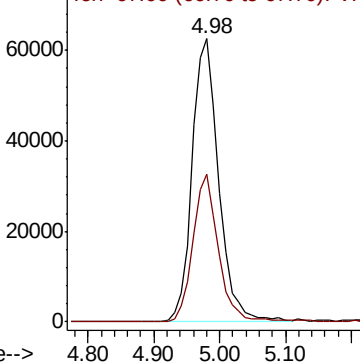
65 100

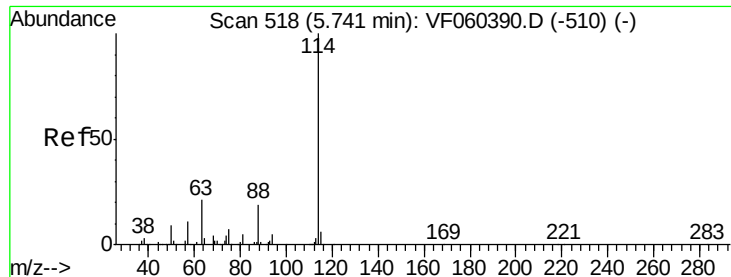
67 52.3 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

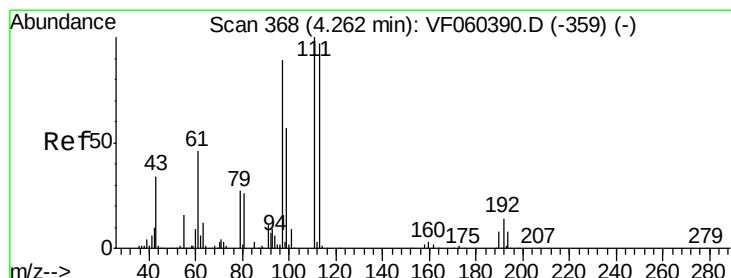
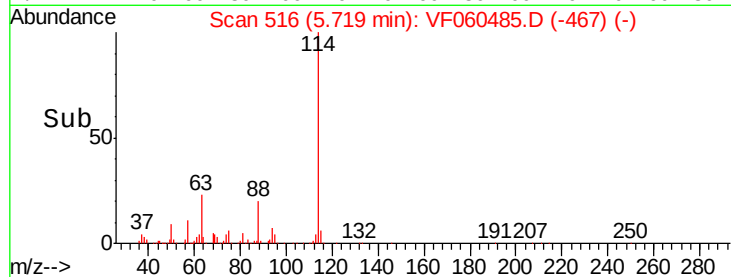
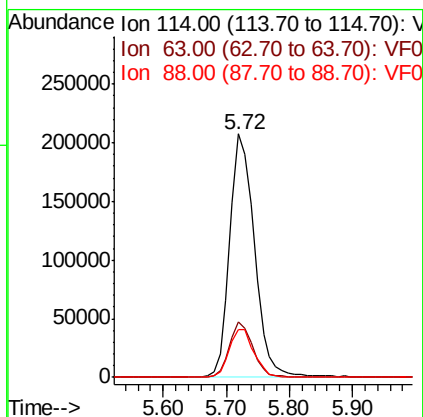
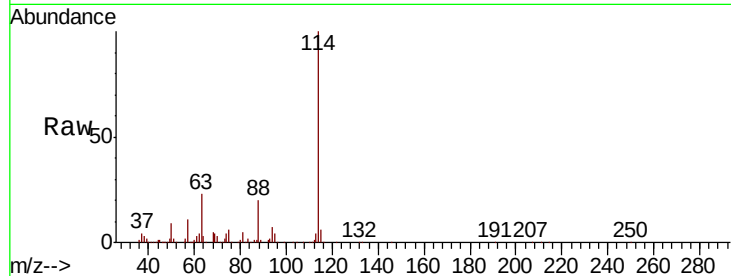




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.72 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: VF060485.D
 Acq: 8 Oct 2018 15:34

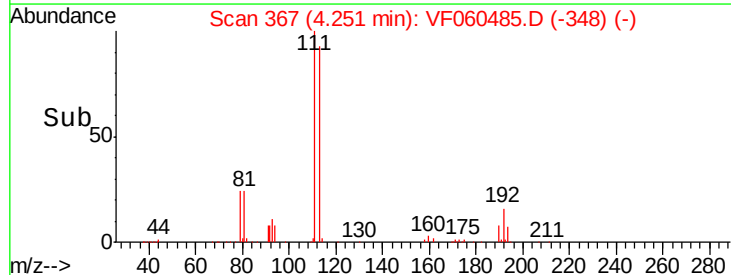
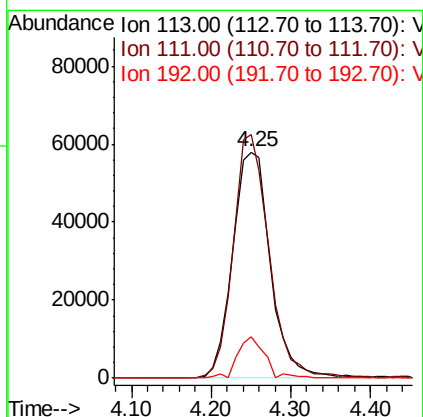
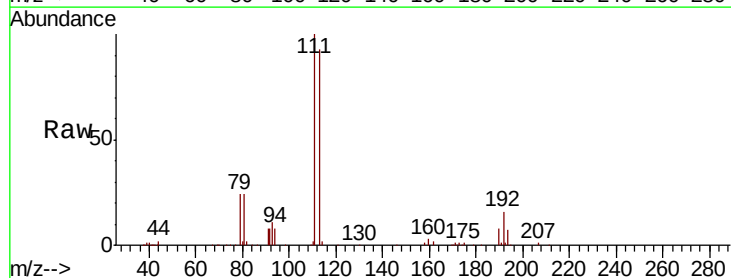
Instrument :
 MSVOA_F
 ClientSampleId :

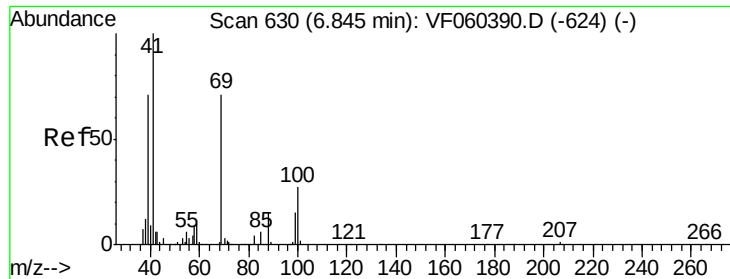
Tot Ion:114 Resp: 563485
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 19.8 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 35.920 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VF060485.D
 Acq: 8 Oct 2018 15:34

Tgt Ion:113 Resp: 190146
 Ion Ratio Lower Upper
 113 100
 111 107.6 82.3 123.5
 192 18.2 11.8 17.6#





#49

1,4-Dioxane

Concen: 3.769 ug/l

RT: 6.94 min Scan# 640

Delta R.T. 0.10 min

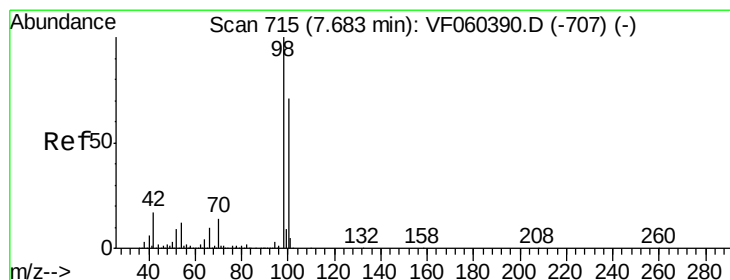
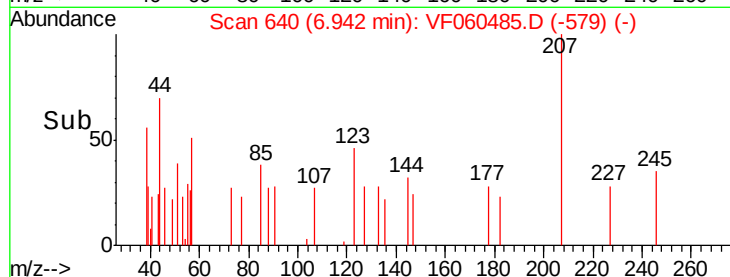
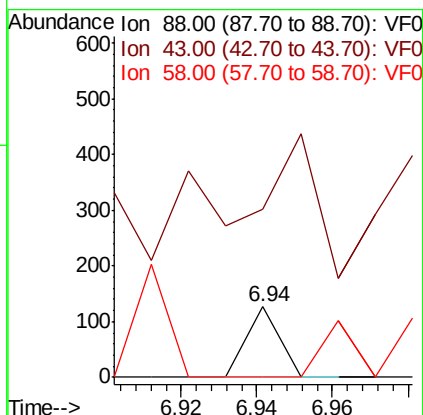
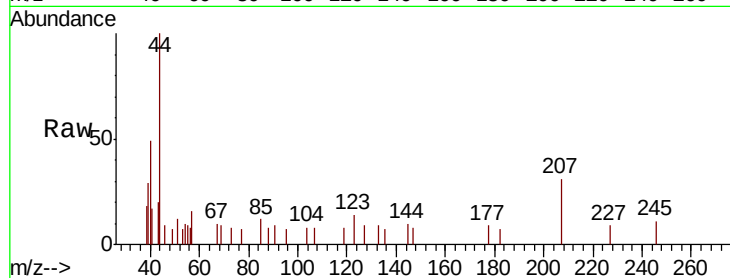
Lab File: VF060485.D

Acq: 8 Oct 2018 15:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 75

Ion	Ratio	Lower	Upper
88	100		
43	237.0	38.3	57.5#
58	0.0	47.4	71.2#



#50

Toluene-d8

Concen: 32.416 ug/l

RT: 7.67 min Scan# 714

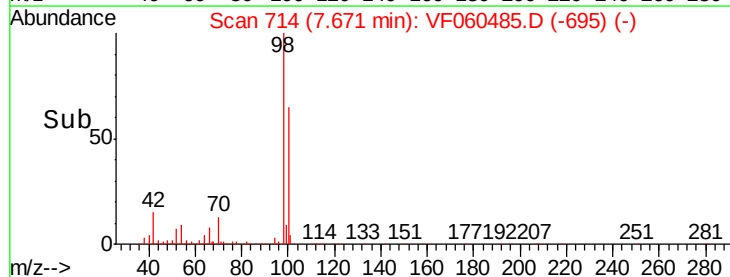
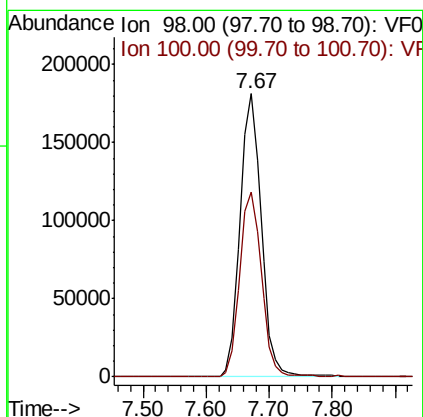
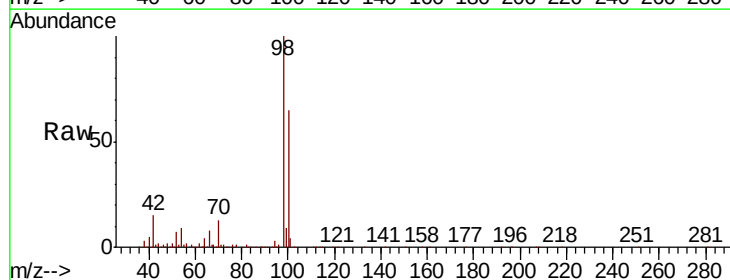
Delta R.T. -0.01 min

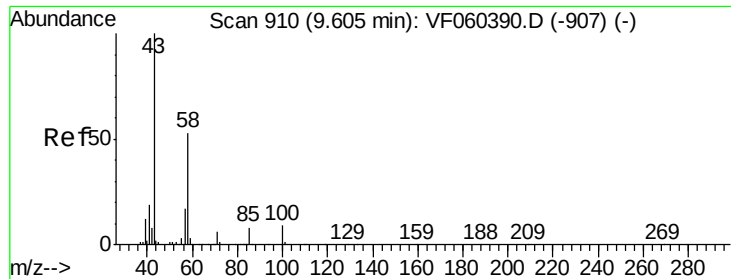
Lab File: VF060485.D

Acq: 8 Oct 2018 15:34

Tgt Ion: 98 Resp: 422603

Ion	Ratio	Lower	Upper
98	100		
100	65.4	56.5	84.7

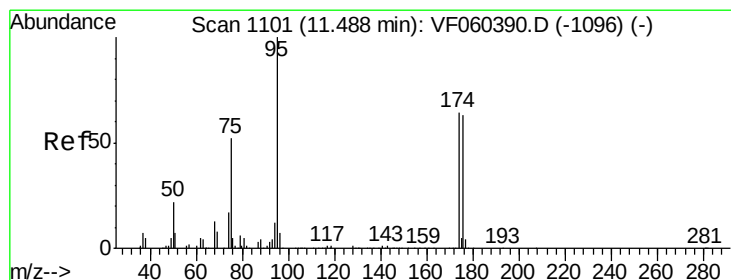
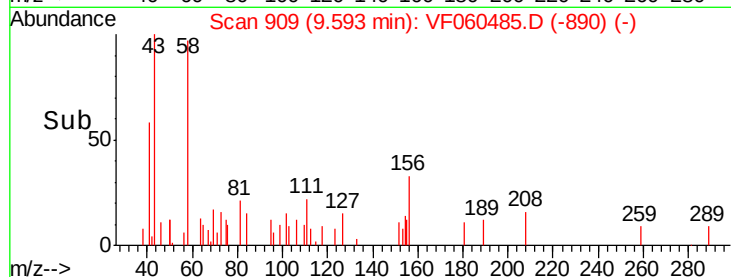
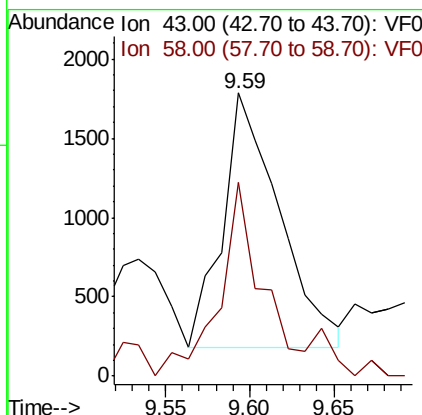
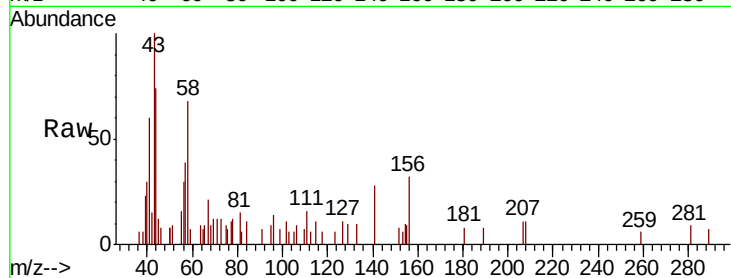




#59
2-Hexanone
Concen: 2.250 ug/l
RT: 9.59 min Scan# 909
Delta R.T. -0.01 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

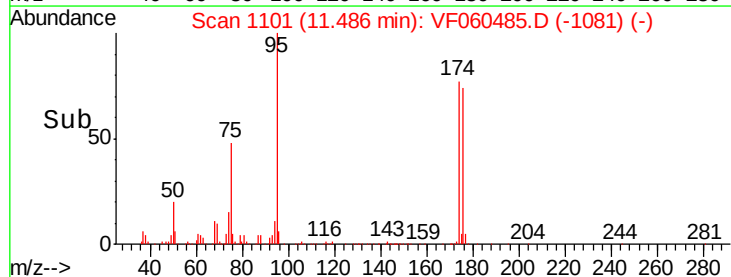
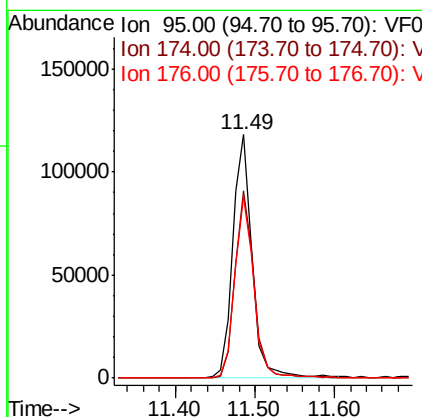
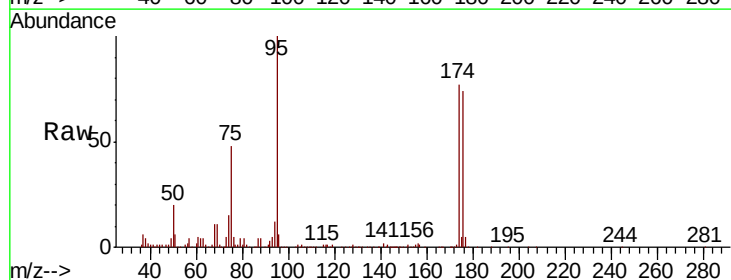
Instrument :
MSVOA_F
ClientSampled :

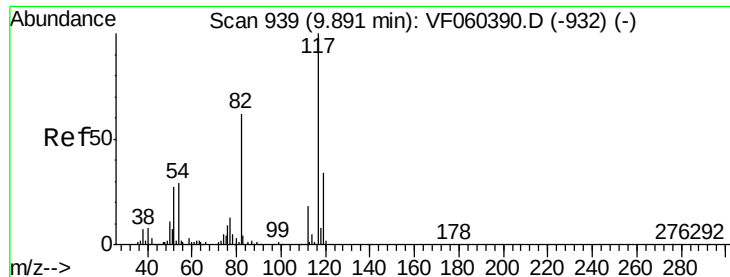
Tot Ion: 43 Resp: 3777
Ion Ratio Lower Upper
43 100
58 68.4 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 33.500 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

Tgt Ion: 95 Resp: 199416
Ion Ratio Lower Upper
95 100
174 76.7 0.0 129.0
176 74.1 0.0 125.6

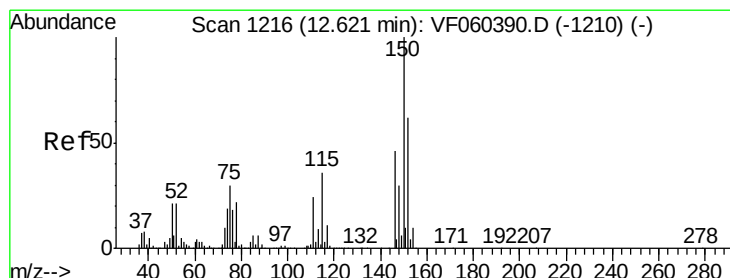
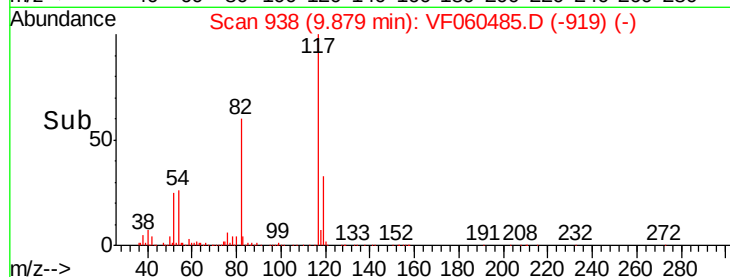
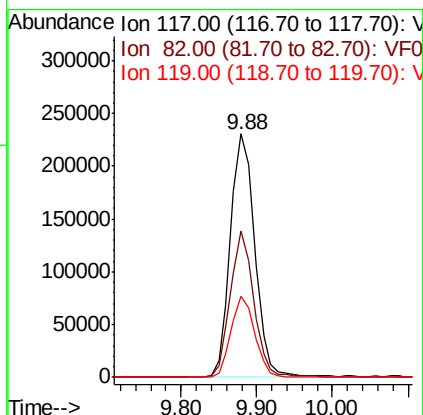
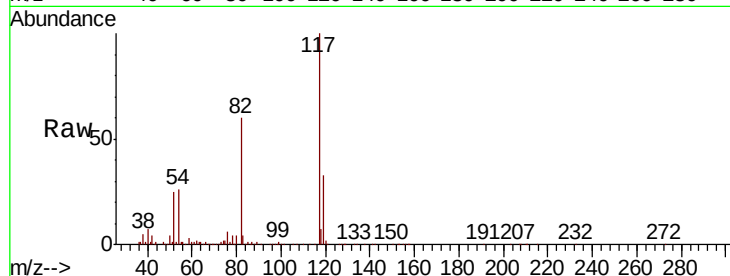




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 516530
Ion Ratio Lower Upper
117 100
82 60.1 49.5 74.3
119 33.2 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VF060485.D
Acq: 8 Oct 2018 15:34

Tgt Ion:152 Resp: 269293
Ion Ratio Lower Upper
152 100
115 61.3 28.6 85.8
150 152.1 0.0 324.6

