

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
 Data File : VF060479.D
 Acq On : 8 Oct 2018 11:53
 Operator : VA/AP
 Sample : VF1008SBL01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 09 01:26:10 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	5.01	168	276926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	444246	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	412423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	234774	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.98	65	215644	49.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.52%	
35) Dibromofluoromethane	4.25	113	235303	56.38	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.76%	
50) Toluene-d8	7.67	98	514971	50.10	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.48	95	252889	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	

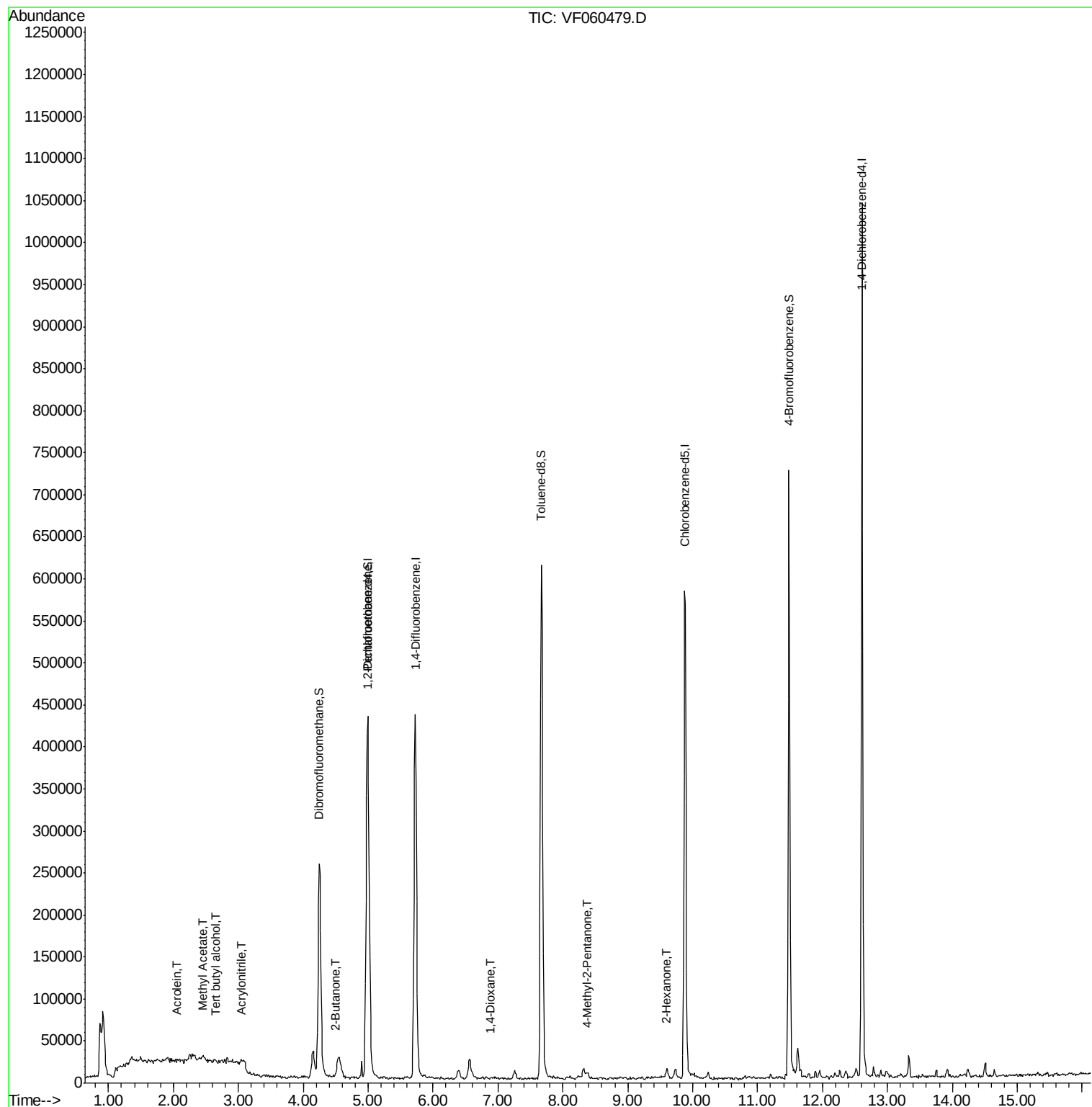
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	1312	Below Cal	#	43
11) Tert butyl alcohol	2.66	59	1224	4.670	ug/l #	1
13) Acrolein	2.07	56	748	3.549	ug/l #	1
15) Acrylonitrile	3.04	53	2436	5.424	ug/l #	83
16) Acetone	2.33	43	6692	Below Cal	#	88
18) Methyl Acetate	2.45	43	5009	1.346	ug/l	92
20) Methylene Chloride	2.26	84	3007	Below Cal	#	79
25) 2-Butanone	4.48	43	3103	2.766	ug/l	99
49) 1,4-Dioxane	6.88	88	255	16.254	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	7176	3.977	ug/l	90
59) 2-Hexanone	9.60	43	9649	7.291	ug/l	98

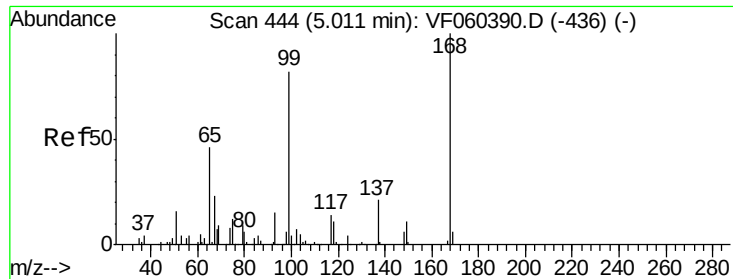
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100818\
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Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Oct 09 01:26:10 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: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

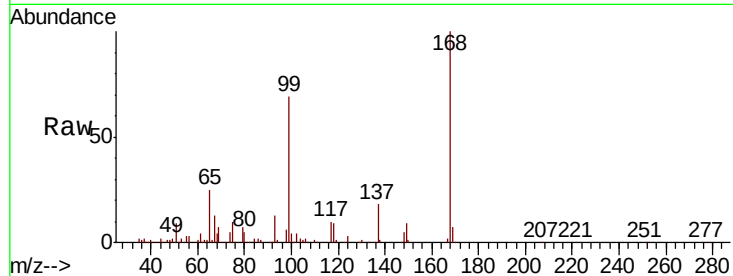
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 276926

Ion Ratio Lower Upper

168 100

99 69.2 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

100000

80000

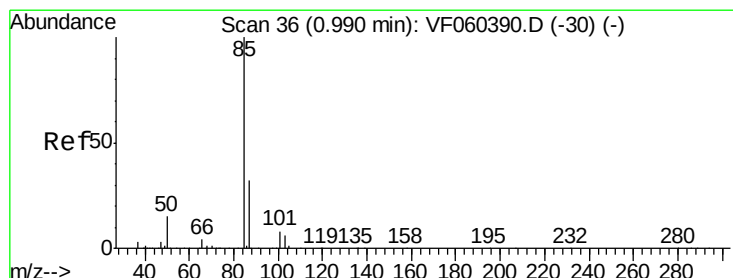
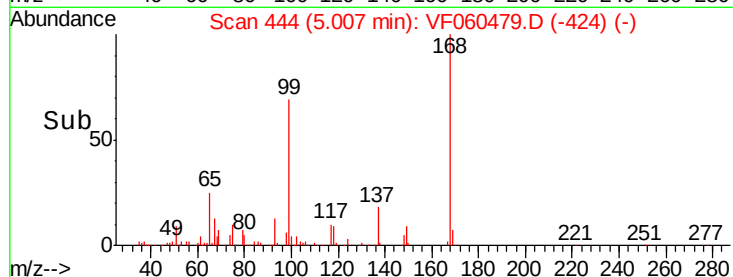
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 39

Delta R.T. 0.03 min

Lab File: VF060479.D

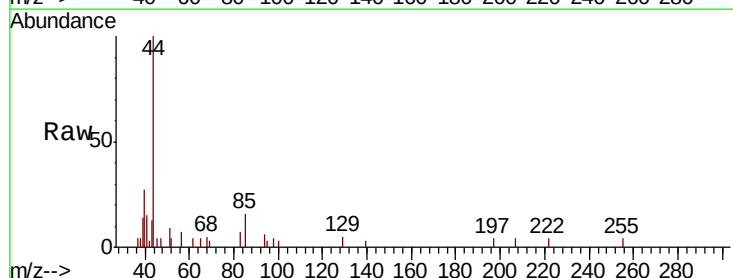
Acq: 8 Oct 2018 11:53

Tgt Ion: 85 Resp: 1312

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

1.01

600

500

400

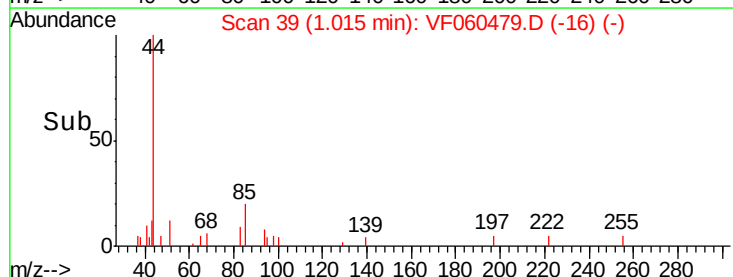
300

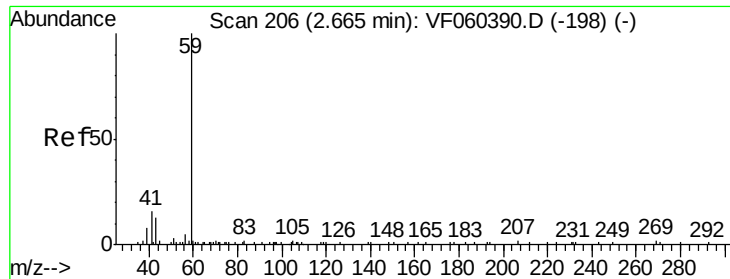
200

100

0

Time-->



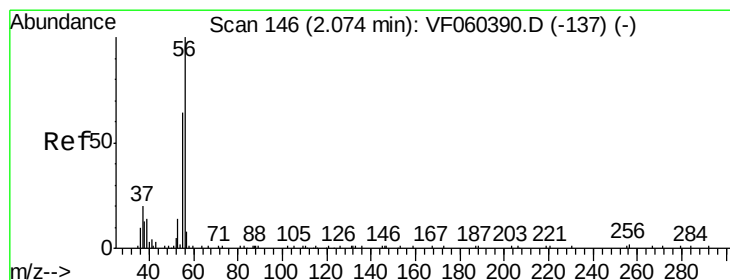
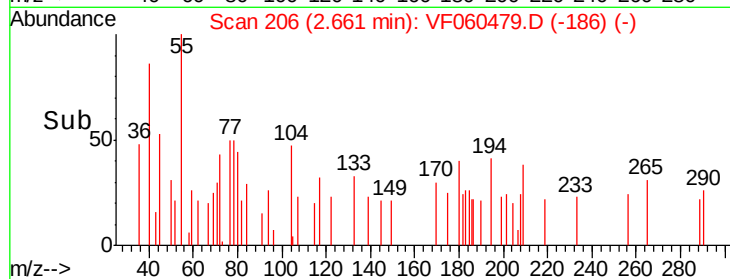
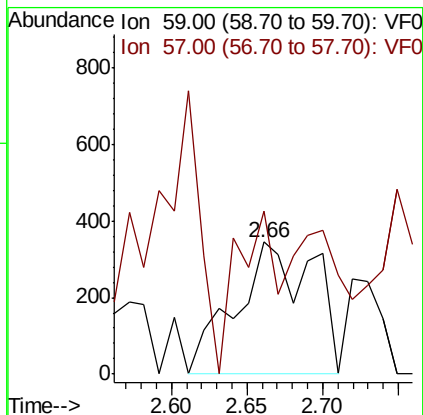
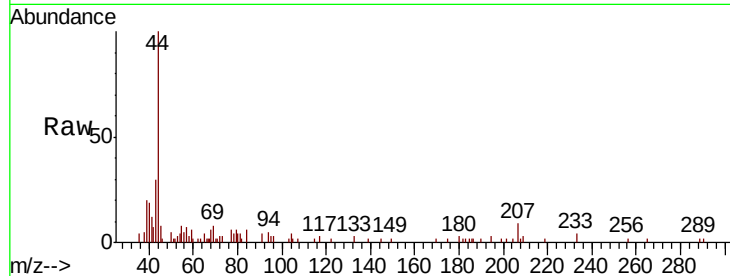


#11

Tert butyl alcohol
Concen: 4.670 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.00 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

Instrument :
MSVOA_F
ClientSampled :

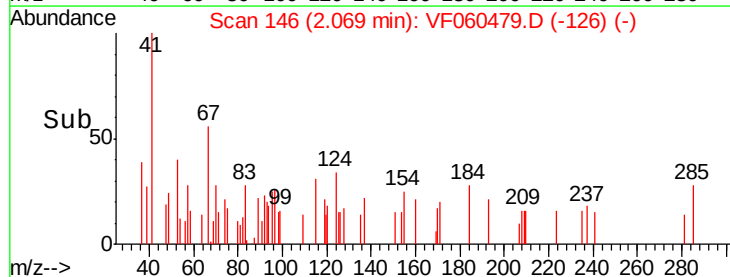
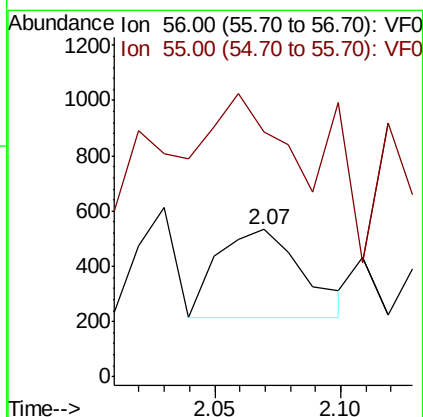
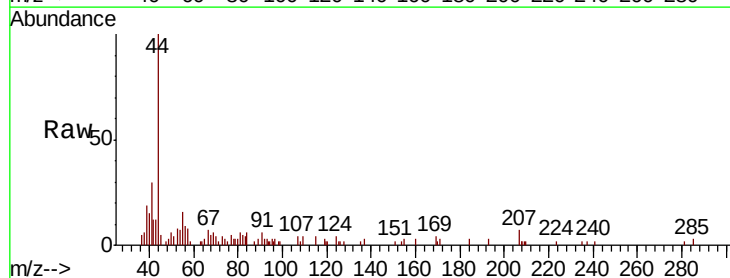
Tot Ion: 59 Resp: 1224
Ion Ratio Lower Upper
59 100
57 123.5 6.5 9.7#

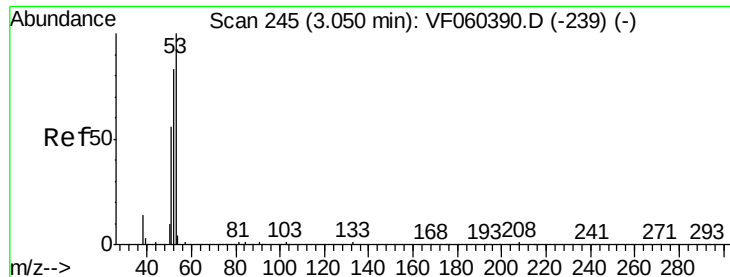


#13

Acrolein
Concen: 3.549 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.00 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

Tgt Ion: 56 Resp: 748
Ion Ratio Lower Upper
56 100
55 166.6 53.9 80.9#





#15

Acrylonitrile

Concen: 5.424 ug/l

RT: 3.04 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

Instrument :

MSVOA_F

ClientSampled :

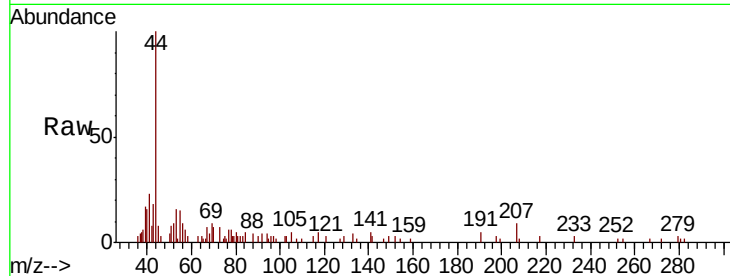
Tot Ion: 53 Resp: 2436

Ion Ratio Lower Upper

53 100

52 60.5 66.0 99.0#

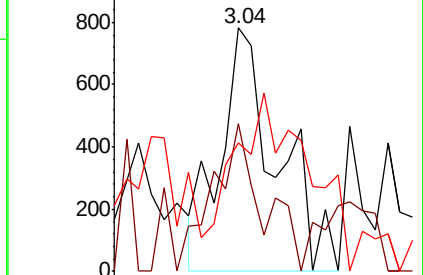
51 52.6 45.6 68.4



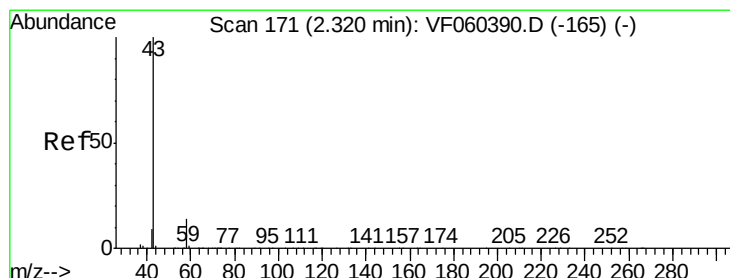
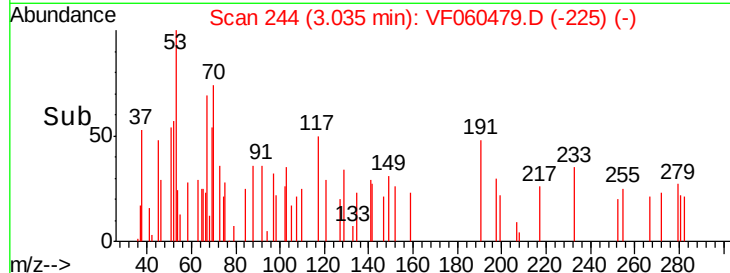
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060479.D

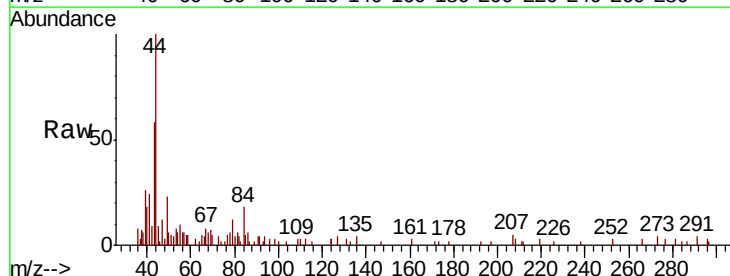
Acq: 8 Oct 2018 11:53

Tgt Ion: 43 Resp: 6692

Ion Ratio Lower Upper

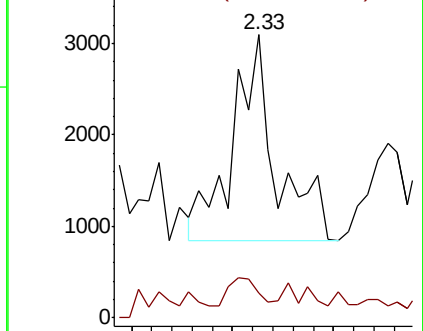
43 100

58 9.0 11.2 16.8#

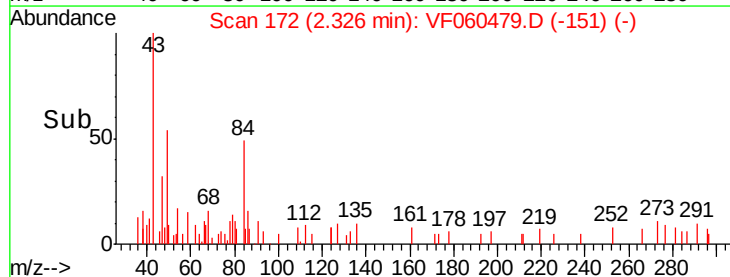


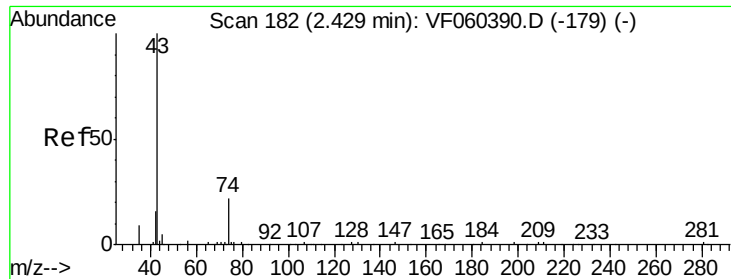
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

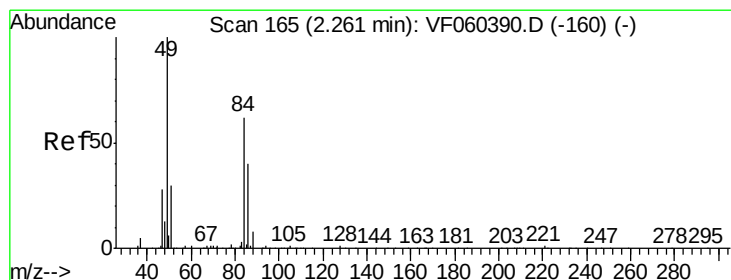
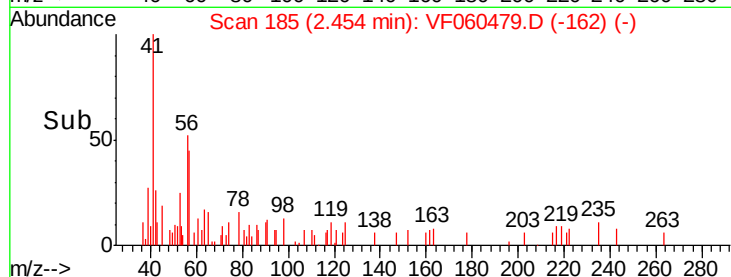
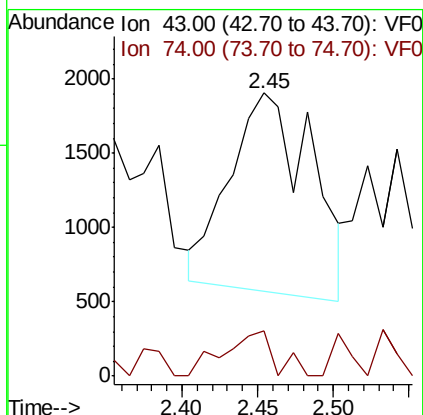
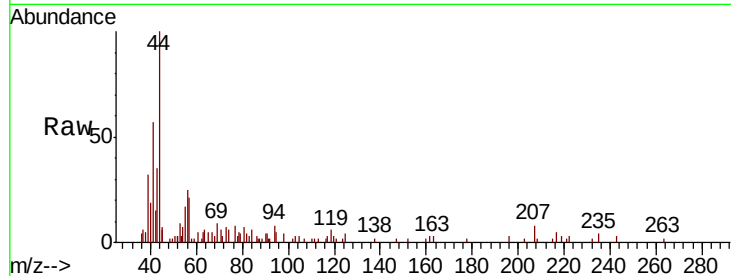




#18
Methyl Acetate
Concen: 1.346 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.03 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

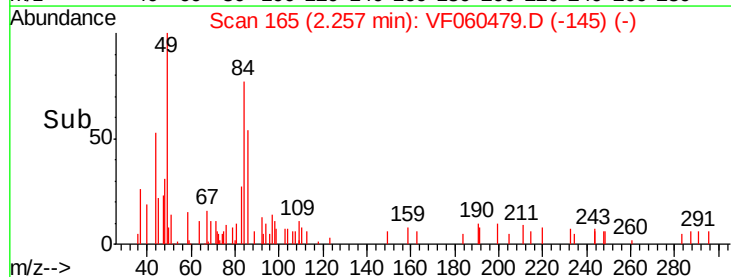
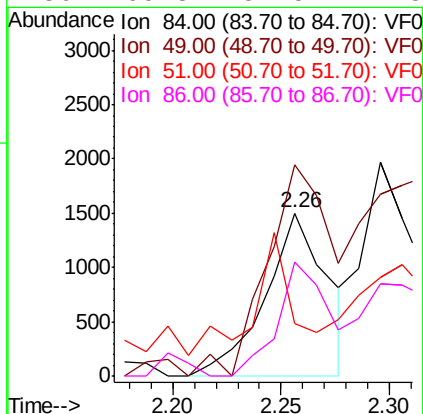
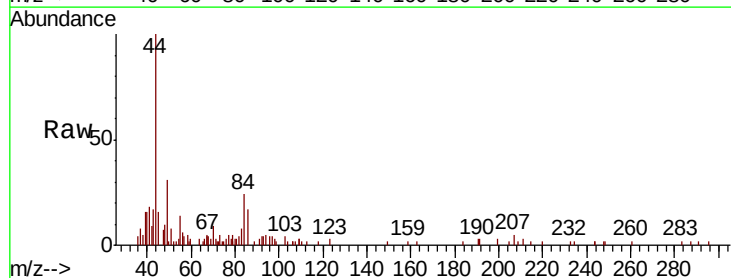
Instrument :
MSVOA_F
ClientSampled :

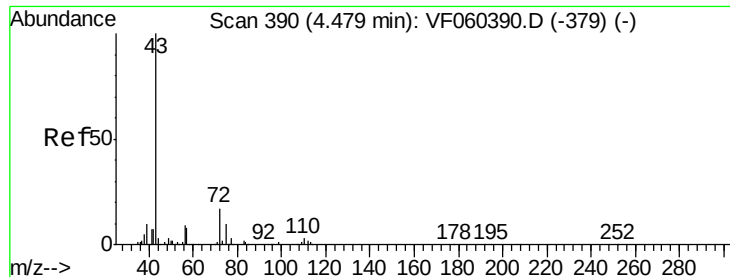
Tot Ion: 43 Resp: 5009
Ion Ratio Lower Upper
43 100
74 16.0 15.8 23.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

Tgt Ion: 84 Resp: 3007
Ion Ratio Lower Upper
84 100
49 129.4 130.2 195.2#
51 32.5 41.0 61.6#
86 69.8 51.5 77.3





#25

2-Butanone

Concen: 2.766 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

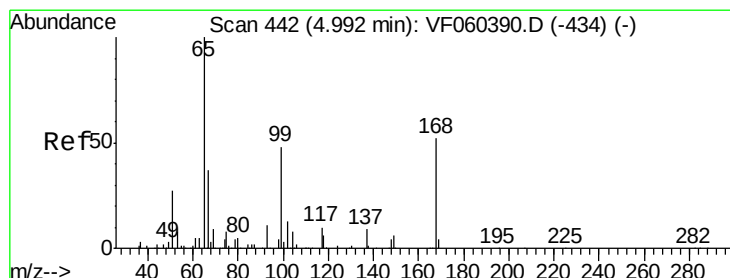
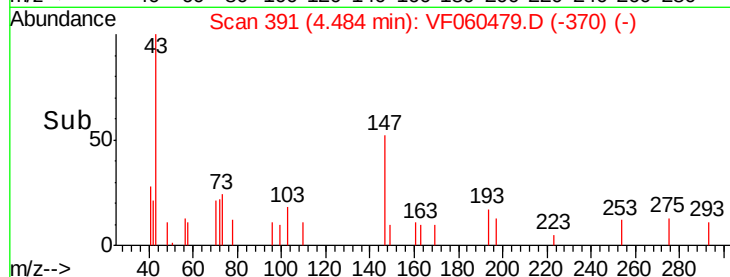
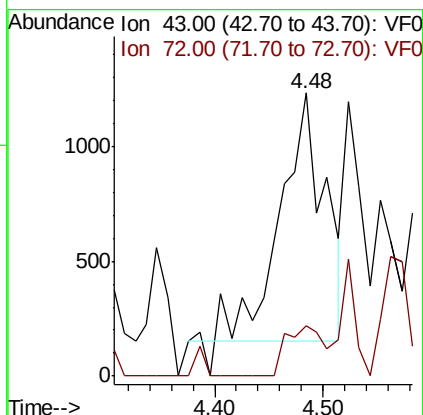
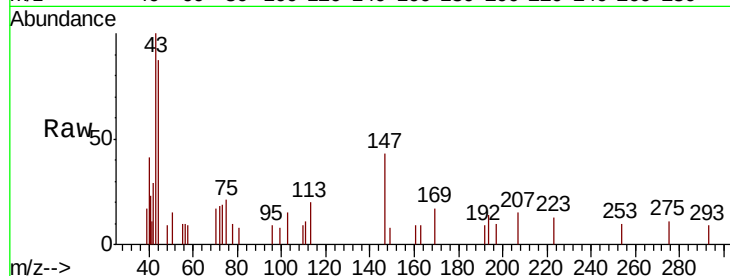
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3103

Ion Ratio Lower Upper

43 100

72 17.9 14.1 21.1



#33

1,2-Dichloroethane-d4

Concen: 49.765 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF060479.D

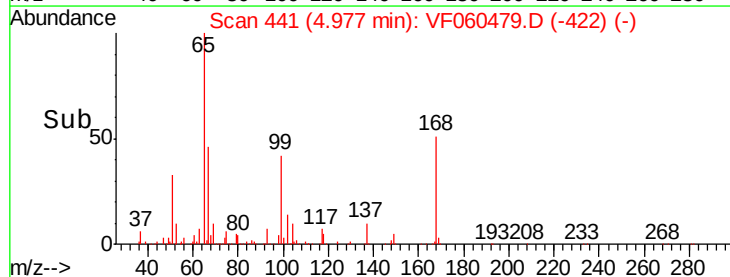
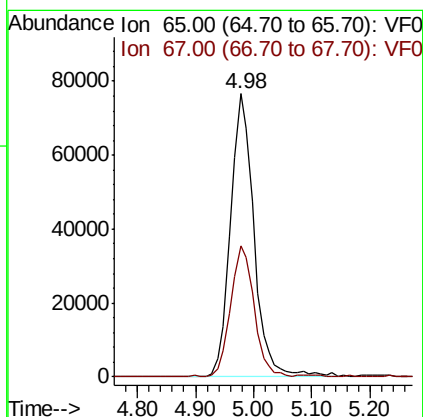
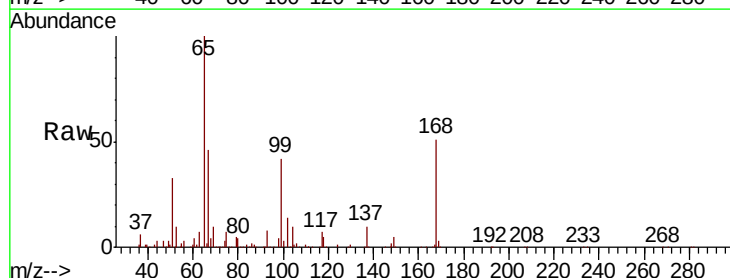
Acq: 8 Oct 2018 11:53

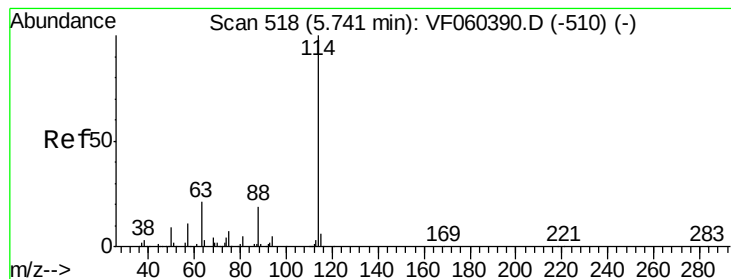
Tgt Ion: 65 Resp: 215644

Ion Ratio Lower Upper

65 100

67 46.2 0.0 89.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 517

Delta R.T. -0.01 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

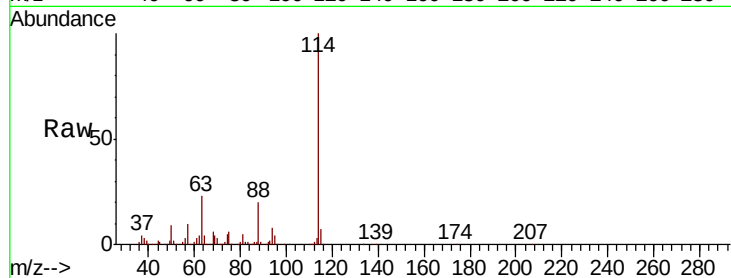
Tot Ion:114 Resp: 444246

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.2

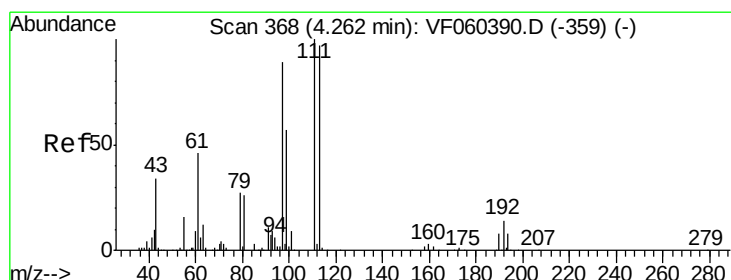
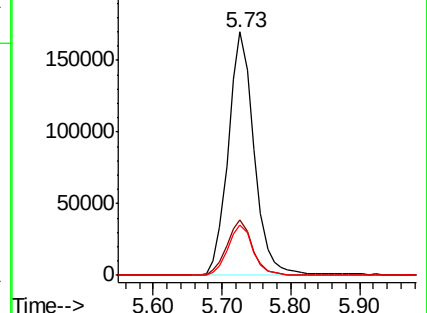
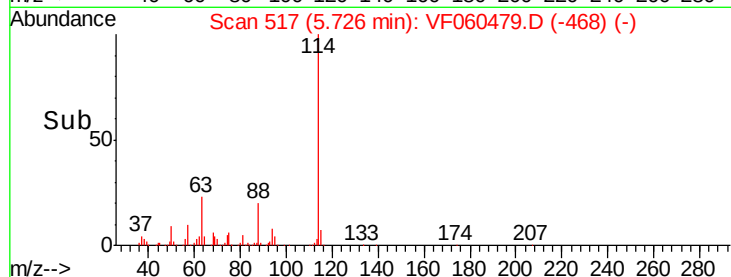
88 20.4 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 56.381 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

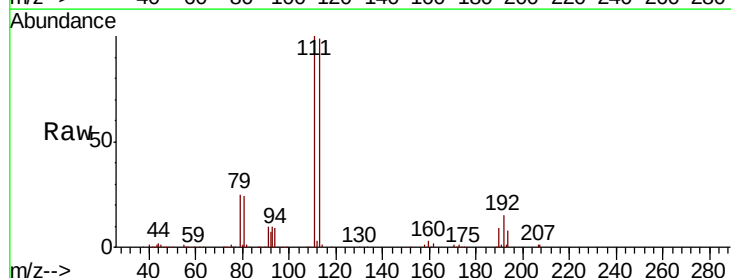
Tgt Ion:113 Resp: 235303

Ion Ratio Lower Upper

113 100

111 101.3 82.3 123.5

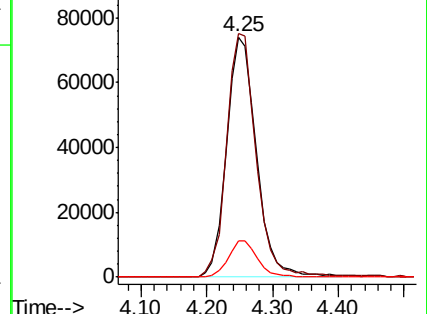
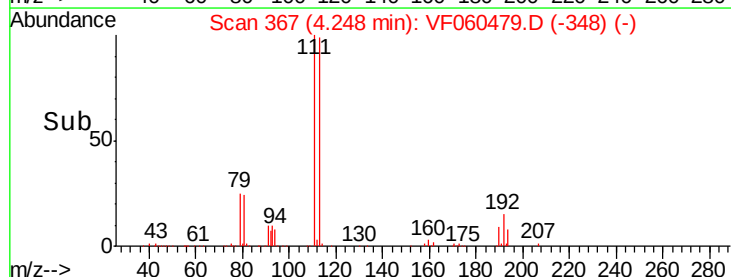
192 15.0 11.8 17.6

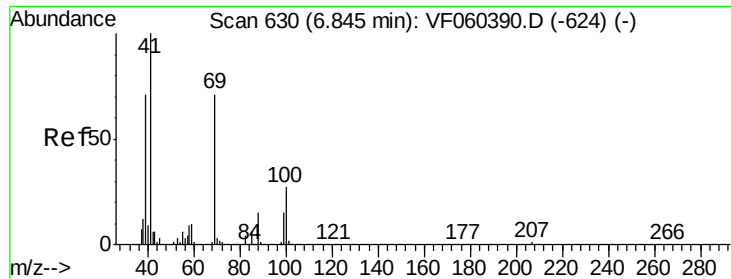


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 16.254 ug/l

RT: 6.88 min Scan# 634

Delta R.T. 0.03 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :

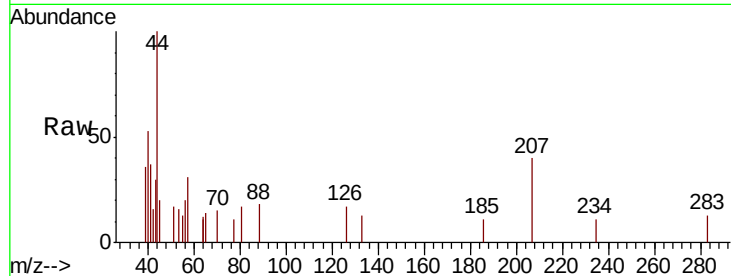
Tot Ion: 88 Resp: 255

Ion Ratio Lower Upper

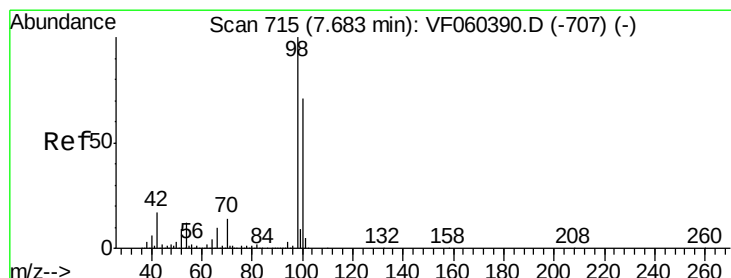
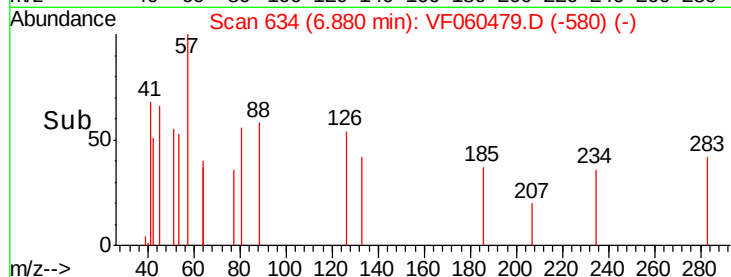
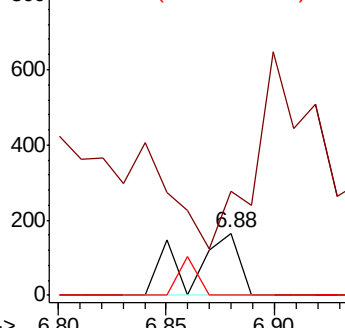
88 100

43 166.9 38.3 57.5#

58 0.0 47.4 71.2#



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: 50.103 ug/l

RT: 7.67 min Scan# 714

Delta R.T. -0.01 min

Lab File: VF060479.D

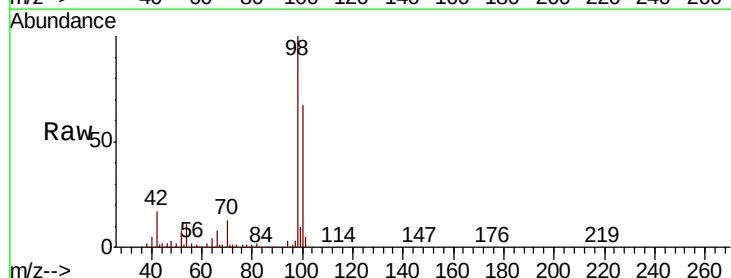
Acq: 8 Oct 2018 11:53

Tgt Ion: 98 Resp: 514971

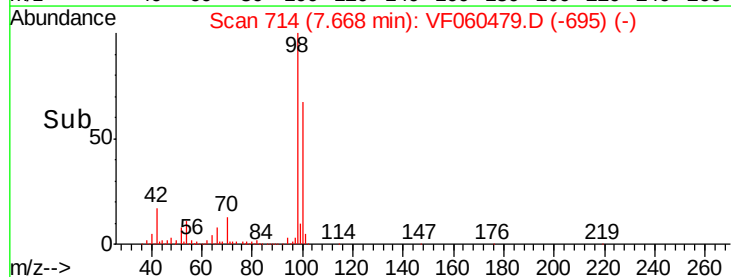
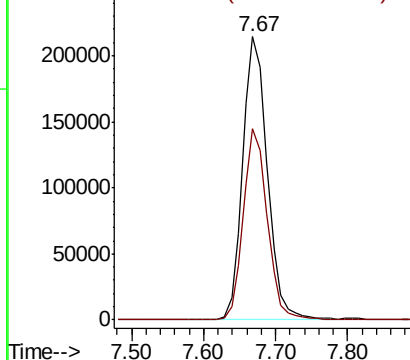
Ion Ratio Lower Upper

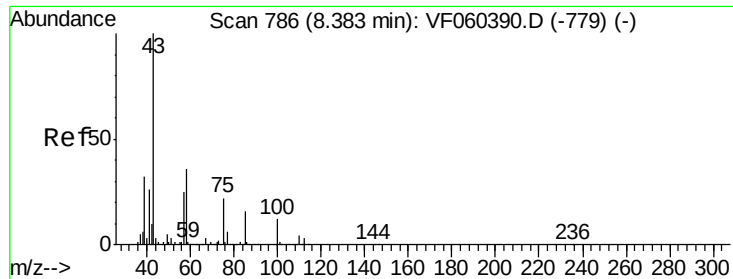
98 100

100 67.4 56.5 84.7



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





#51

4-Methyl-2-Pentanone

Concen: 3.977 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.01 min

Lab File: VF060479.D

Acq: 8 Oct 2018 11:53

Instrument :

MSVOA_F

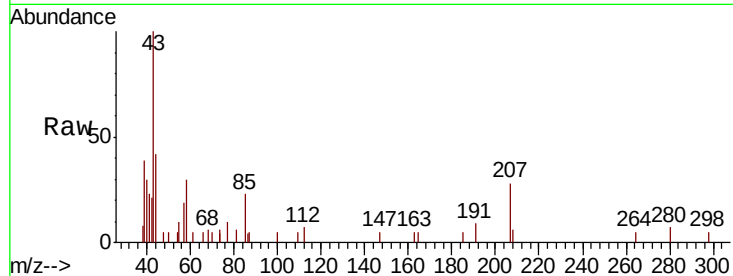
ClientSampleId :

Tot Ion: 43 Resp: 7176

Ion Ratio Lower Upper

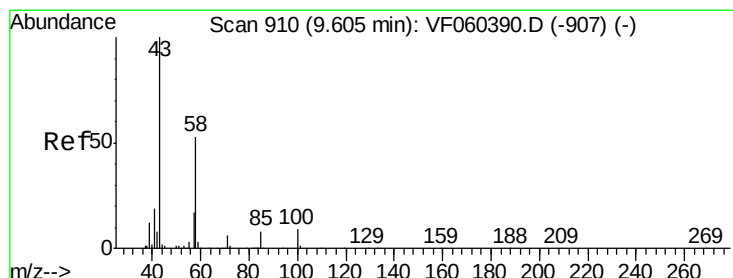
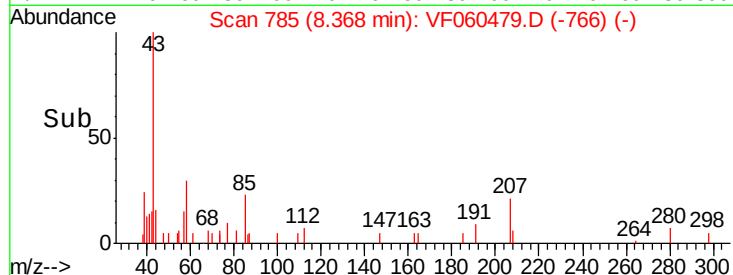
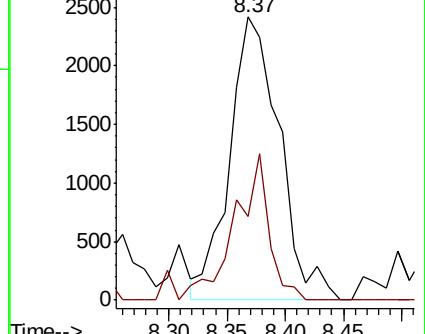
43 100

58 29.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 7.291 ug/l

RT: 9.60 min Scan# 910

Delta R.T. -0.00 min

Lab File: VF060479.D

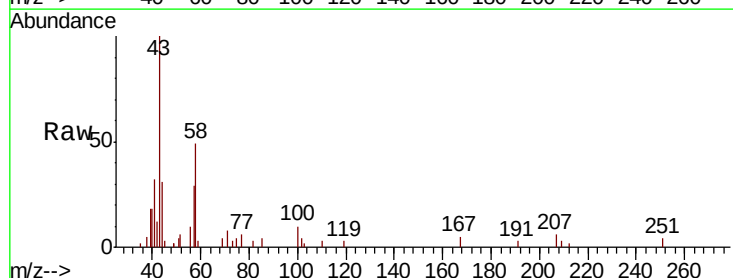
Acq: 8 Oct 2018 11:53

Tgt Ion: 43 Resp: 9649

Ion Ratio Lower Upper

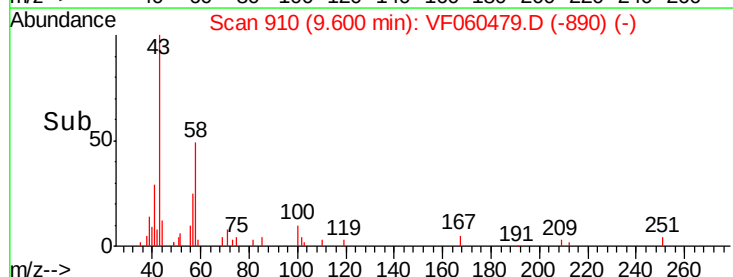
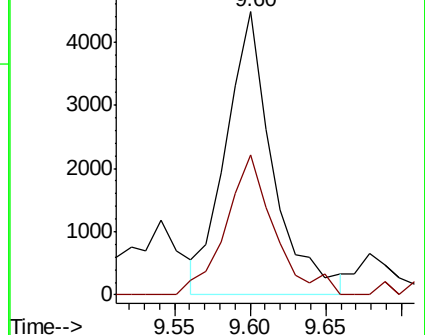
43 100

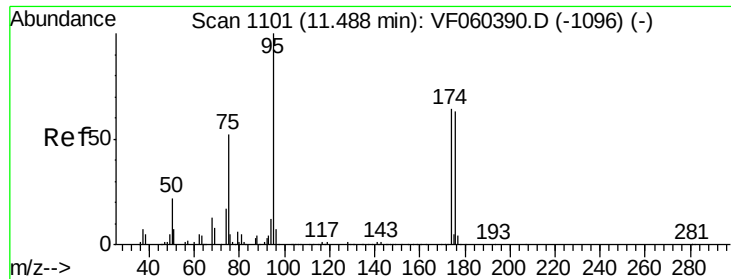
58 49.4 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

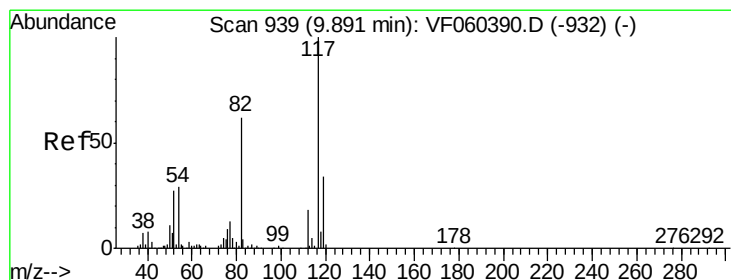
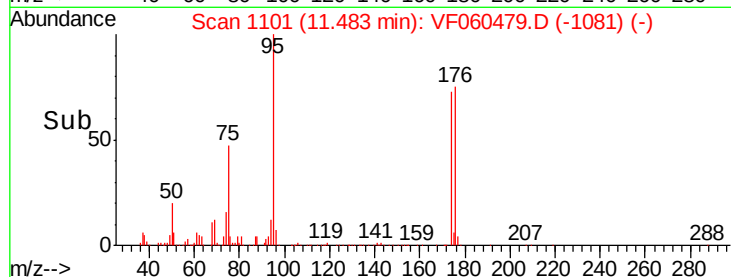
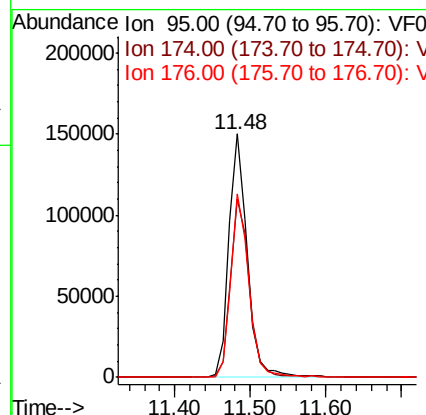
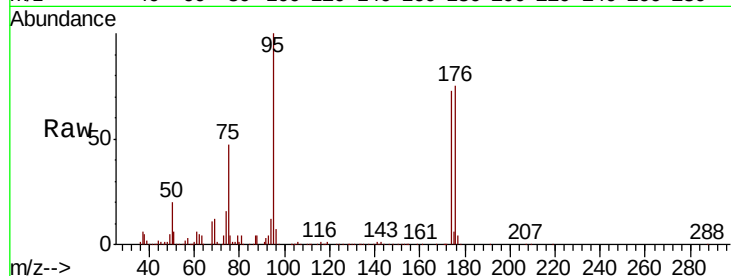




#62
4-Bromofluorobenzene
Concen: 53.886 ug/l
RT: 11.48 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

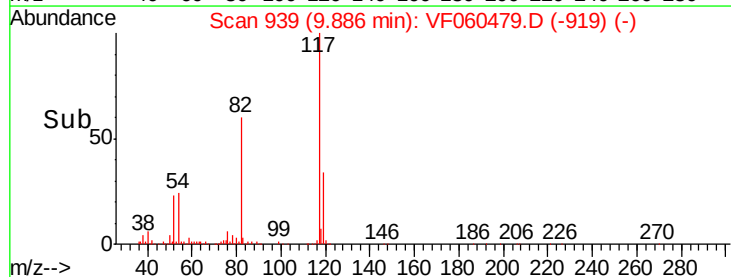
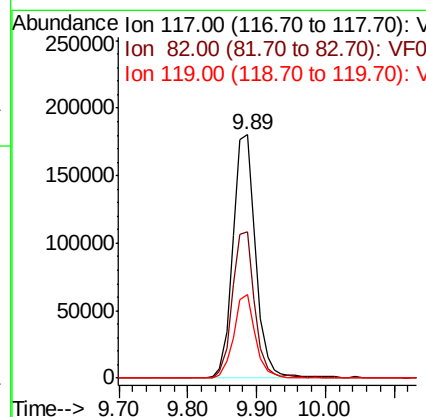
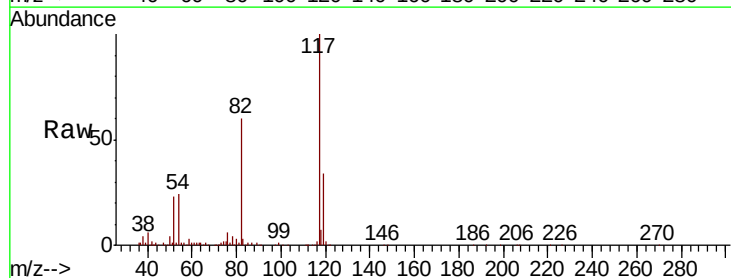
Instrument :
MSVOA_F
ClientSampleId :

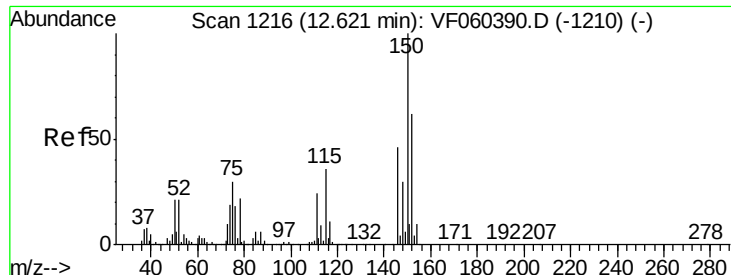
Tot Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	129.0
176	75.1	0.0	125.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.5	74.3
119	34.2	27.0	40.6



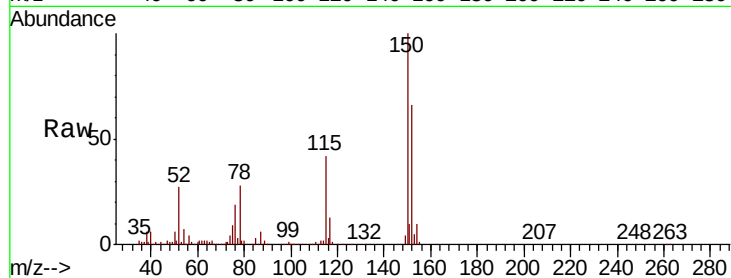


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VF060479.D
Acq: 8 Oct 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.2	28.6	85.8
150	151.6	0.0	324.6



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

