

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
 Data File : VF060487.D
 Acq On : 8 Oct 2018 16:32
 Operator : VA/AP
 Sample : J5084-20RE
 Misc : 6.76/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 09 01:31:23 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

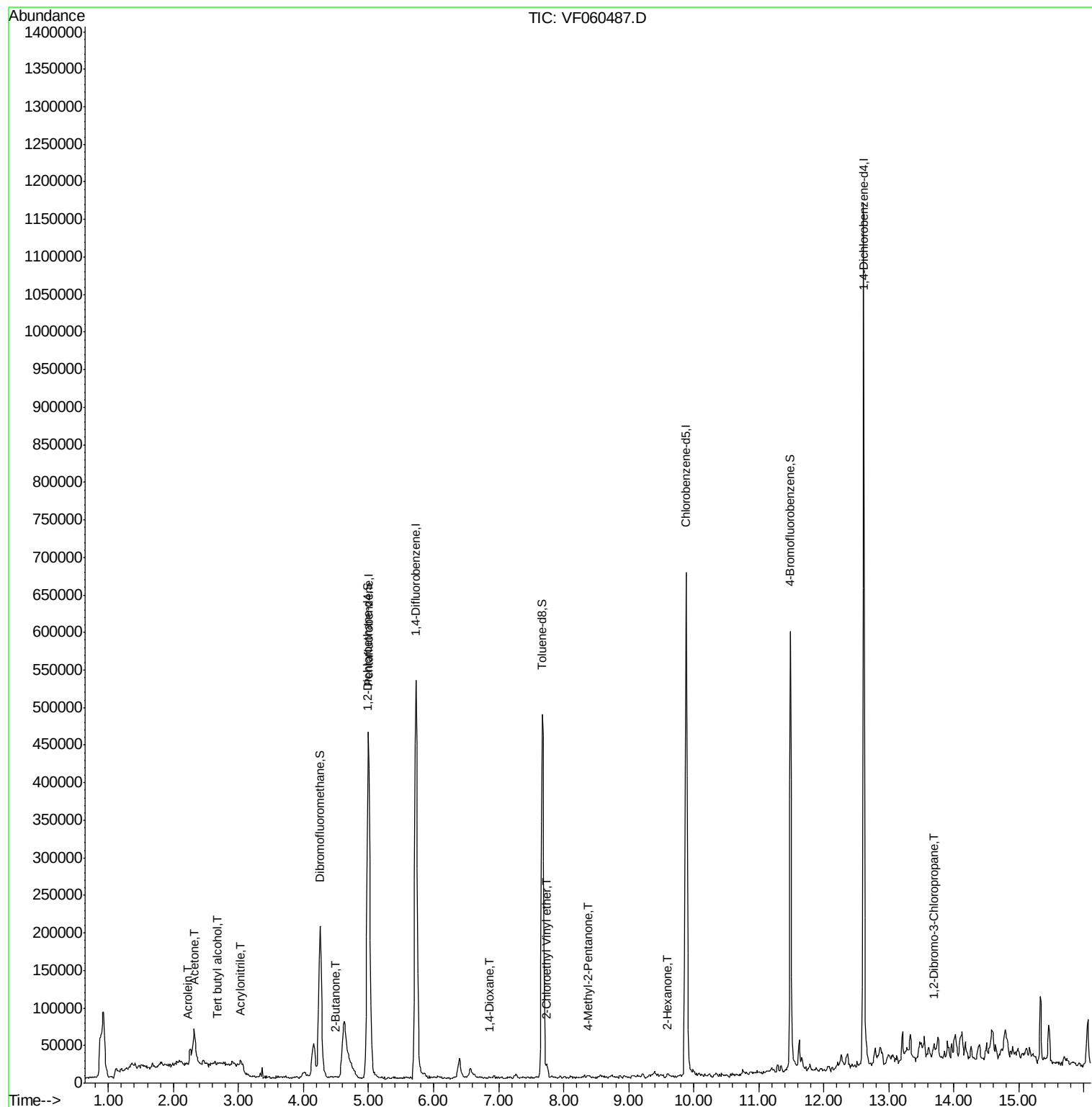
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	346040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	569159	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	485630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	275004	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	170415	31.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	62.94%	
35) Dibromofluoromethane	4.26	113	196434	36.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.48%	
50) Toluene-d8	7.67	98	426070	32.36	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	64.72%	
62) 4-Bromofluorobenzene	11.48	95	203678	33.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	99	Below Cal	#	1
11) Tert butyl alcohol	2.67	59	1661	5.071 ug/l	#	1
13) Acrolein	2.22	56	332	1.260 ug/l		98
15) Acrylonitrile	3.04	53	968	1.725 ug/l	#	61
16) Acetone	2.32	43	42617	16.028 ug/l	#	92
18) Methyl Acetate	2.46	43	3137	Below Cal	#	74
20) Methylene Chloride	2.26	84	10970	Below Cal		92
25) 2-Butanone	4.50	43	3967	2.829 ug/l		98
29) Tetrahydrofuran	4.24	42	432	Below Cal	#	1
49) 1,4-Dioxane	6.86	88	71	3.532 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.38	43	3740	1.618 ug/l	#	74
58) 2-Chloroethyl Vinyl ether	7.74	63	998	2.867 ug/l		100
59) 2-Hexanone	9.60	43	3935	2.321 ug/l		71
92) 1,2-Dibromo-3-Chloropropan	13.70	75	1018	1.330 ug/l	#	1

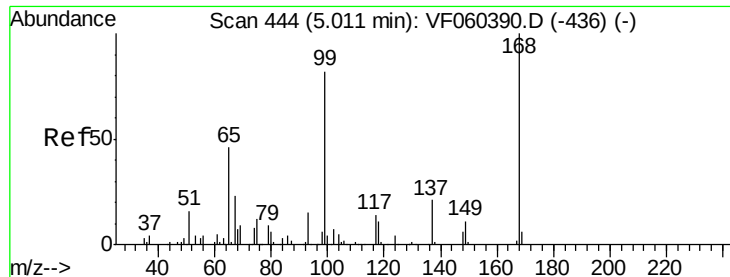
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

Instrument :

MSVOA_F

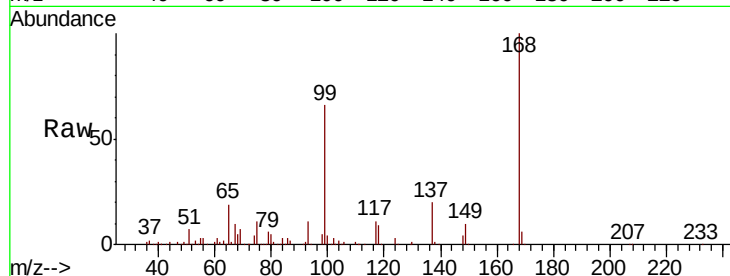
ClientSampleId :

Tot Ion:168 Resp: 346040

Ion Ratio Lower Upper

168 100

99 66.4 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

120000

100000

80000

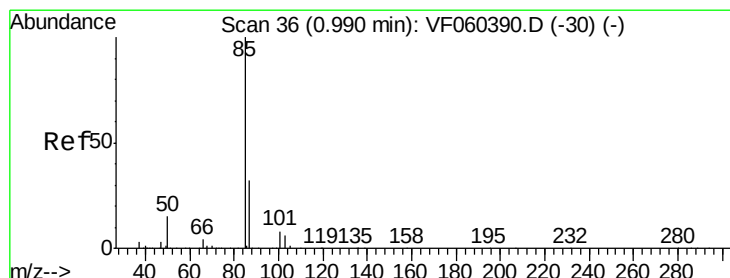
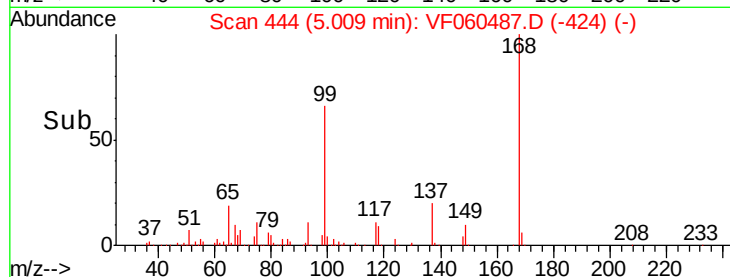
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060487.D

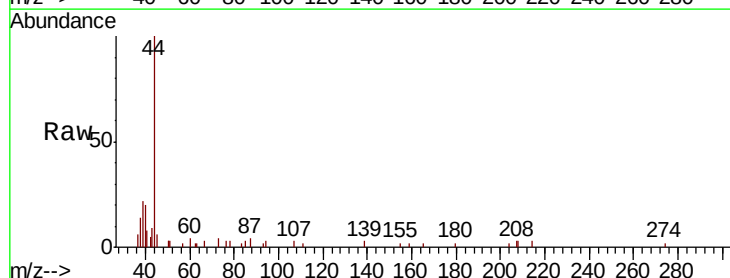
Acq: 8 Oct 2018 16:32

Tgt Ion: 85 Resp: 99

Ion Ratio Lower Upper

85 100

87 113.1 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

200

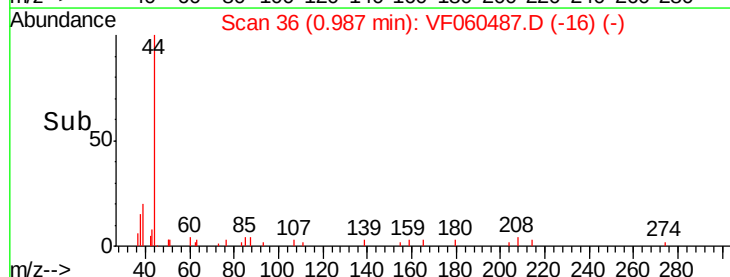
150

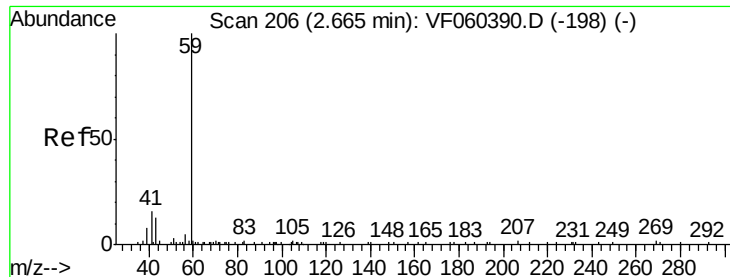
100

50

0

Time--> 0.96 0.98 1.00 1.02



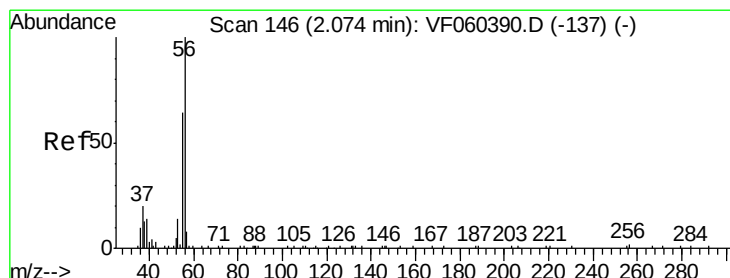
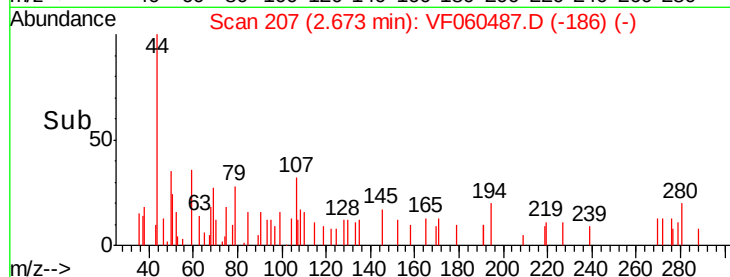
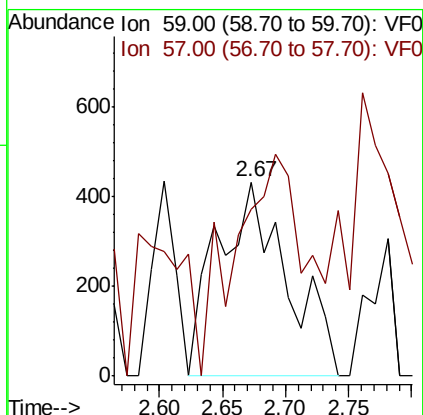
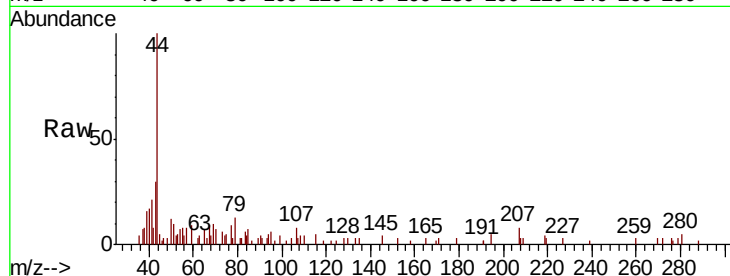


#11

Tert butyl alcohol
Concen: 5.071 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060487.D
Acq: 8 Oct 2018 16:32

Instrument :
MSVOA_F
ClientSampled :

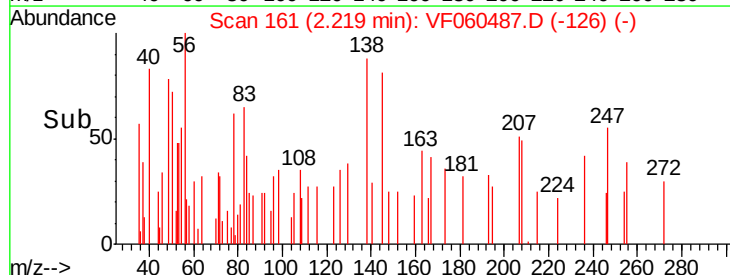
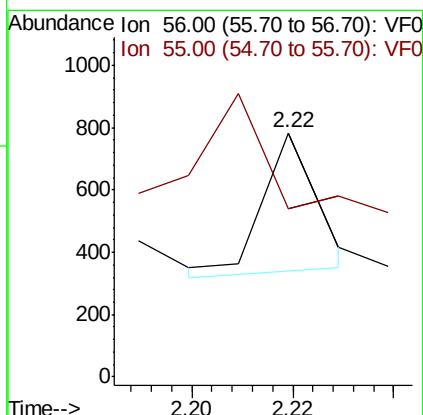
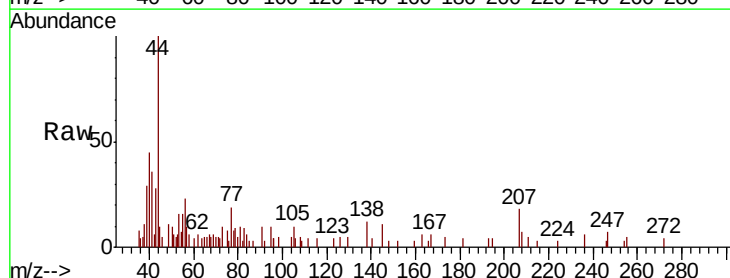
Tot Ion: 59 Resp: 1661
Ion Ratio Lower Upper
59 100
57 86.1 6.5 9.7#

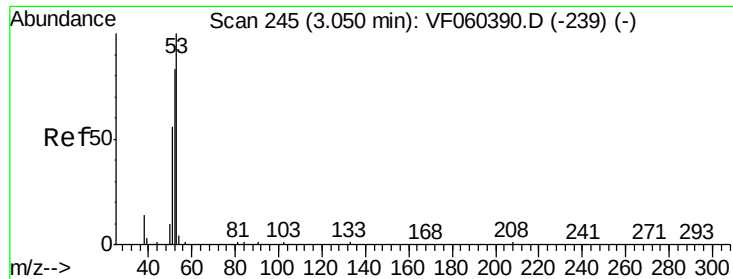


#13

Acrolein
Concen: 1.260 ug/l
RT: 2.22 min Scan# 161
Delta R.T. 0.15 min
Lab File: VF060487.D
Acq: 8 Oct 2018 16:32

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 69.0 53.9 80.9

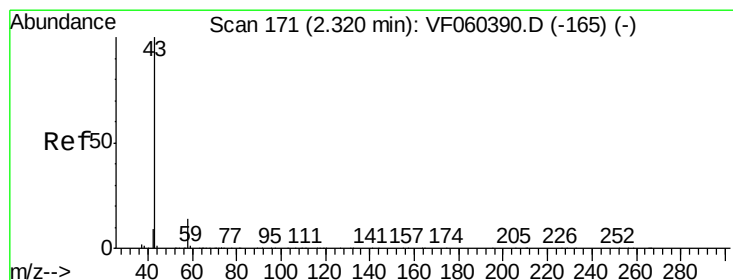
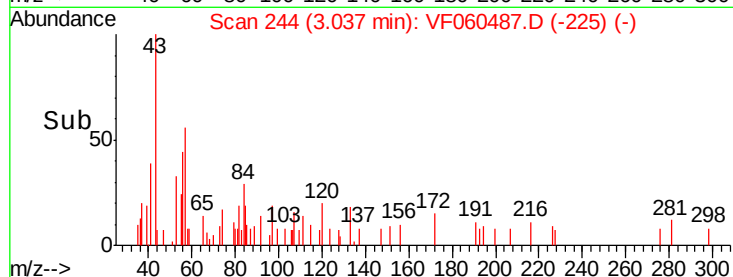
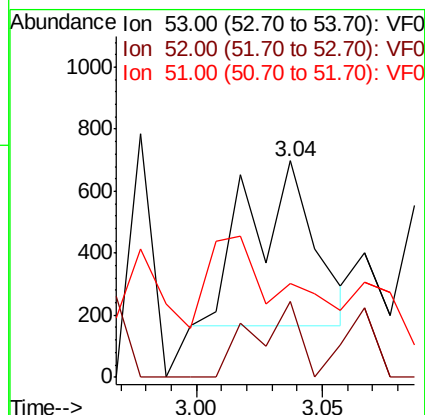
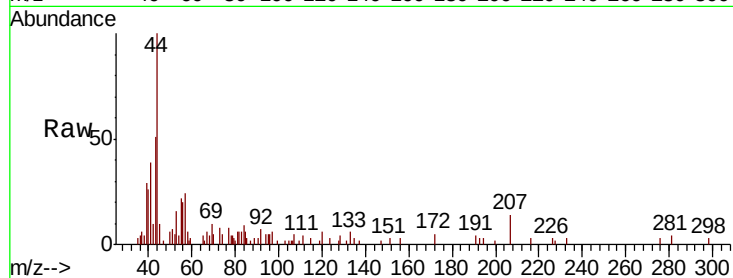




#15
 Acrylonitrile
 Concen: 1.725 ug/l
 RT: 3.04 min Scan# 244
 Delta R.T. -0.01 min
 Lab File: VF060487.D
 Acq: 8 Oct 2018 16:32

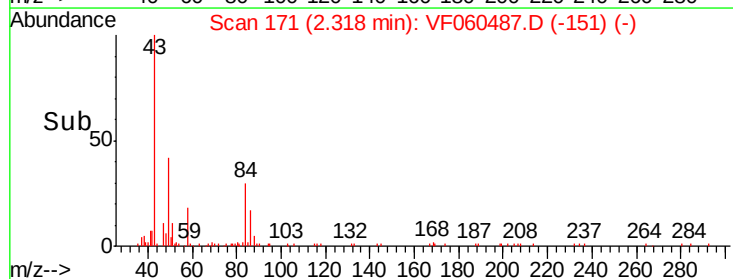
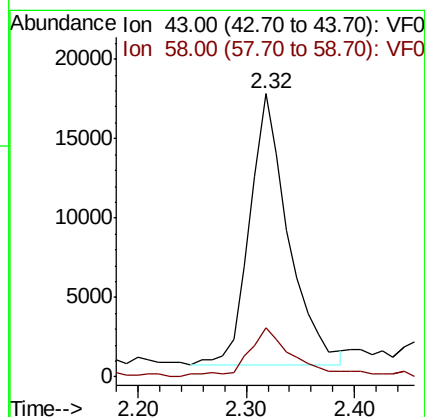
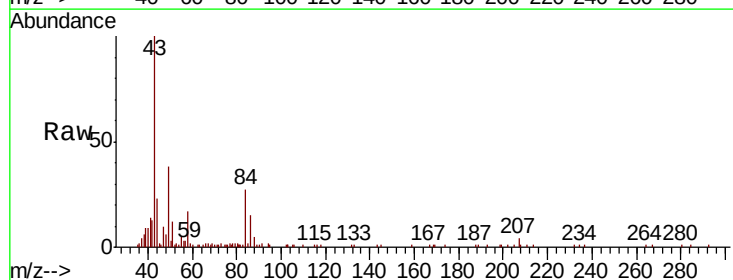
Instrument :
 MSVOA_F
 ClientSampleId :

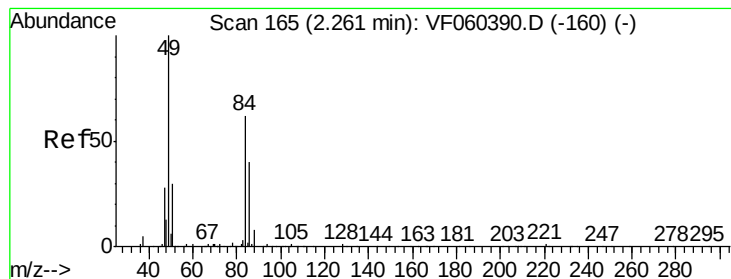
Tot Ion: 53 Resp: 968
 Ion Ratio Lower Upper
 53 100
 52 35.0 66.0 99.0#
 51 43.3 45.6 68.4#



#16
 Acetone
 Concen: 16.028 ug/l
 RT: 2.32 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VF060487.D
 Acq: 8 Oct 2018 16:32

Tgt Ion: 43 Resp: 42617
 Ion Ratio Lower Upper
 43 100
 58 17.4 11.2 16.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 10970

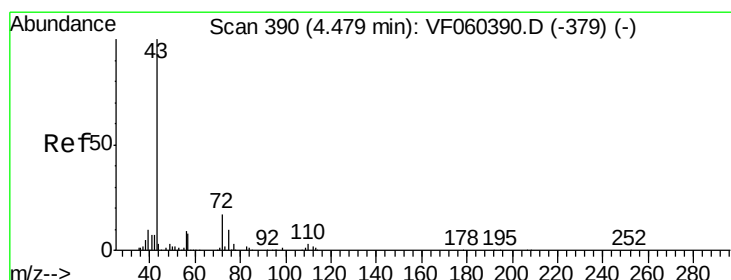
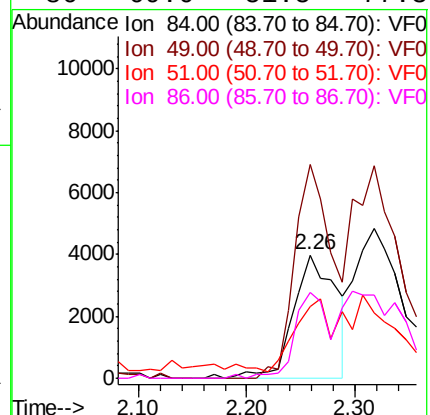
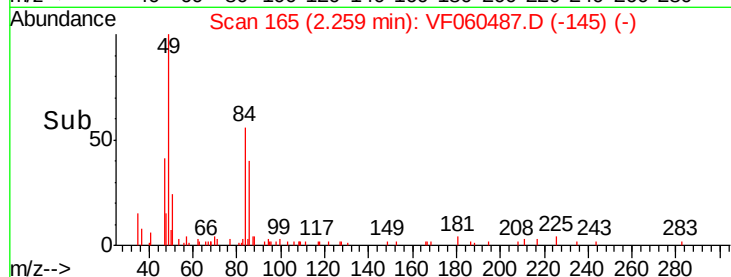
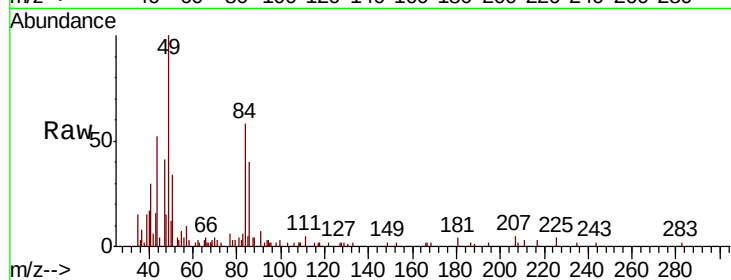
Ion	Ratio	Lower	Upper
84	100		
49	172.9	130.2	195.2
51	58.5	41.0	61.6
86	69.0	51.5	77.3

84 100

49 172.9 130.2 195.2

51 58.5 41.0 61.6

86 69.0 51.5 77.3



#25

2-Butanone

Concen: 2.829 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.02 min

Lab File: VF060487.D

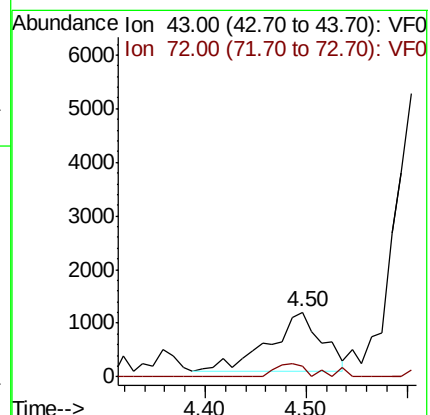
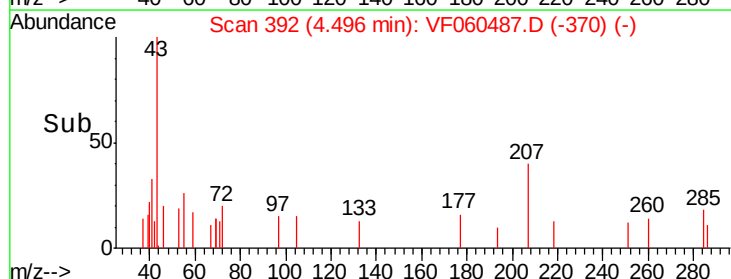
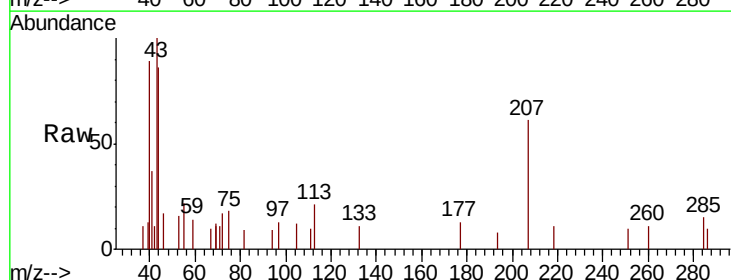
Acq: 8 Oct 2018 16:32

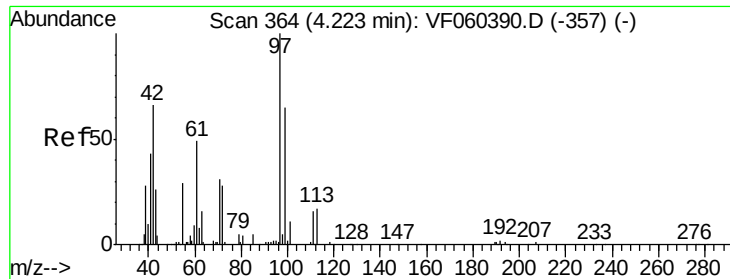
Tgt Ion: 43 Resp: 3967

Ion	Ratio	Lower	Upper
43	100		
72	16.6	14.1	21.1

43 100

72 16.6 14.1 21.1





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

Instrument :

MSVOA_F

ClientSampleId :

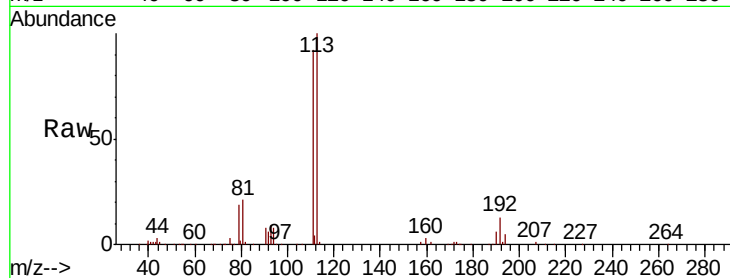
Tot Ion: 42 Resp: 432

Ion Ratio Lower Upper

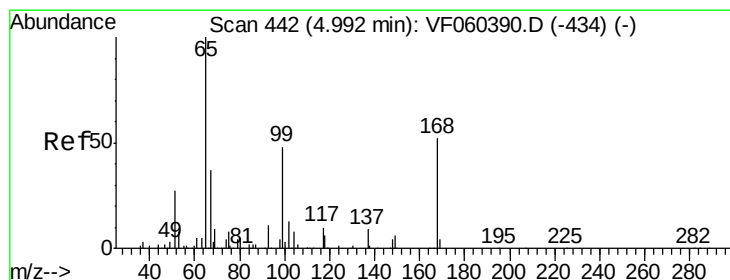
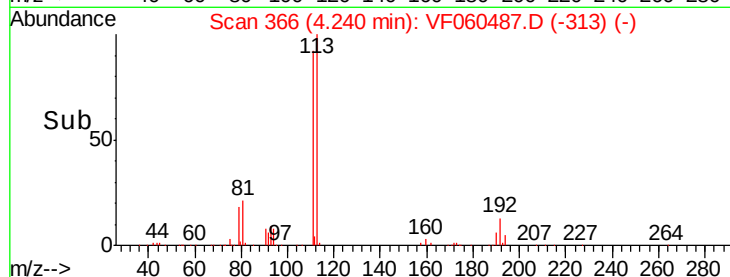
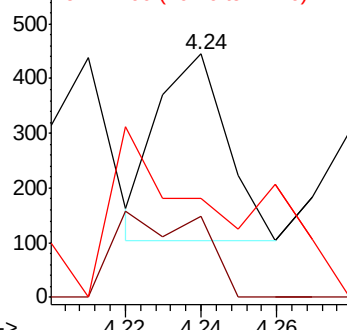
42 100

72 57.4 33.6 50.4#

71 152.3 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: 31.473 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF060487.D

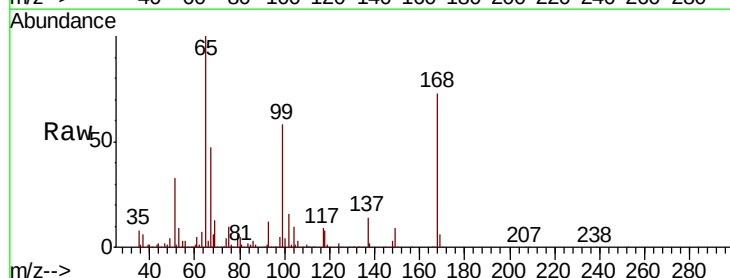
Acq: 8 Oct 2018 16:32

Tgt Ion: 65 Resp: 170415

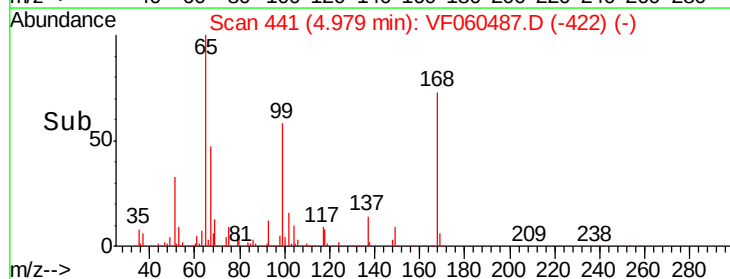
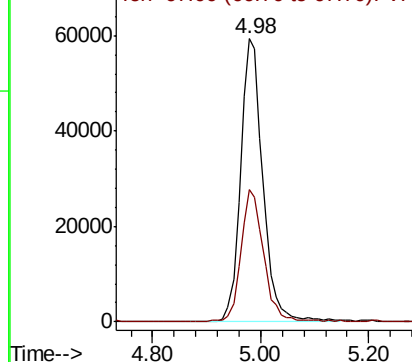
Ion Ratio Lower Upper

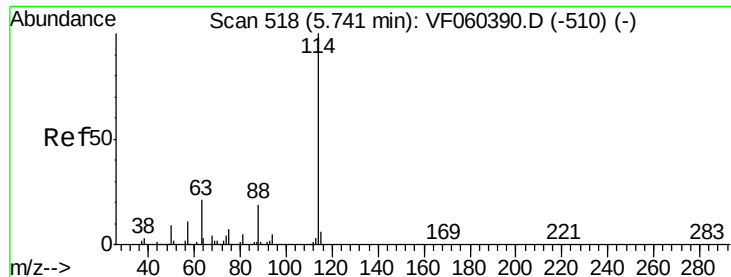
65 100

67 46.8 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: 5.73 min Scan# 517

Delta R.T. -0.01 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

Instrument :

MSVOA_F

ClientSampled :

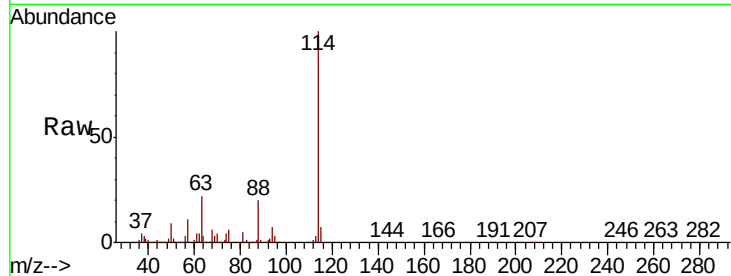
Tot Ion:114 Resp: 569159

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

88 19.6 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

250000

200000

150000

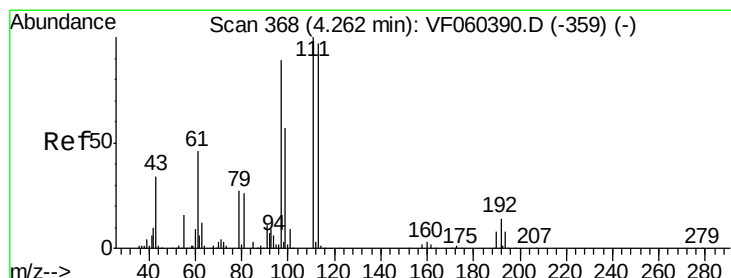
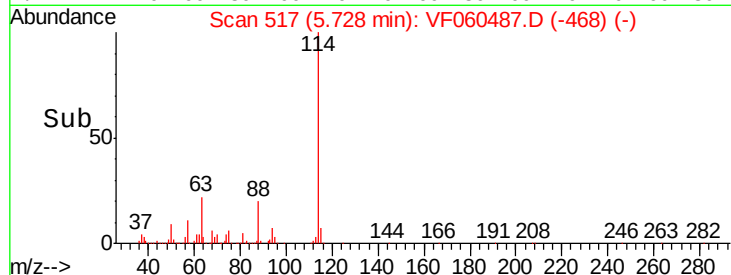
100000

50000

0

5.60 5.70 5.80 5.90

Time-->



#35

Dibromofluoromethane

Concen: 36.738 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

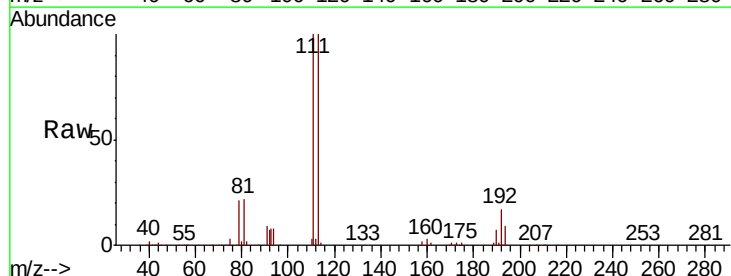
Tgt Ion:113 Resp: 196434

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 16.9 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

80000

60000

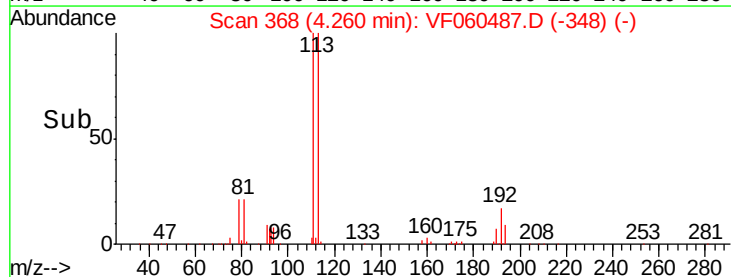
40000

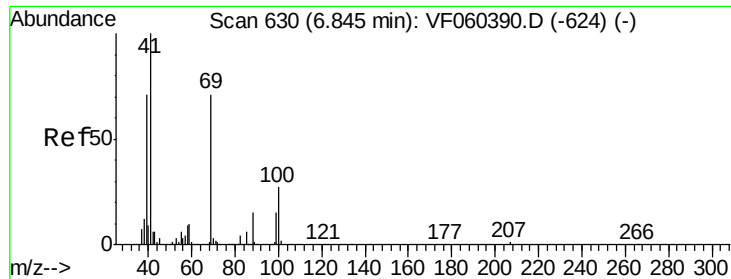
20000

0

4.10 4.20 4.30 4.40

Time-->





#49

1,4-Dioxane

Concen: 3.532 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.02 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

Instrument :
MSVOA_F
ClientSampleId :

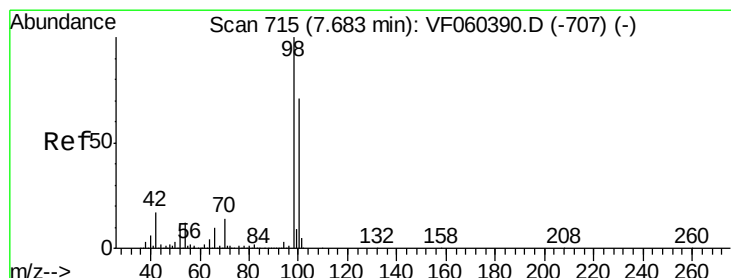
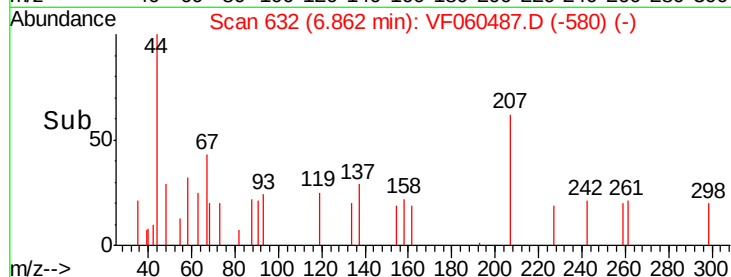
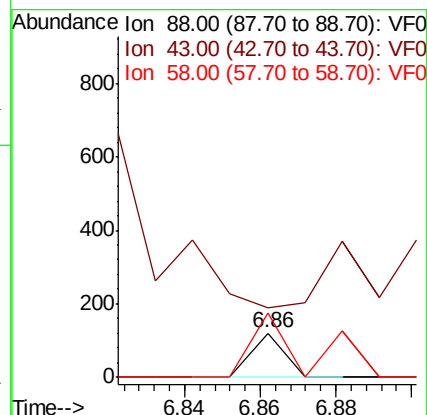
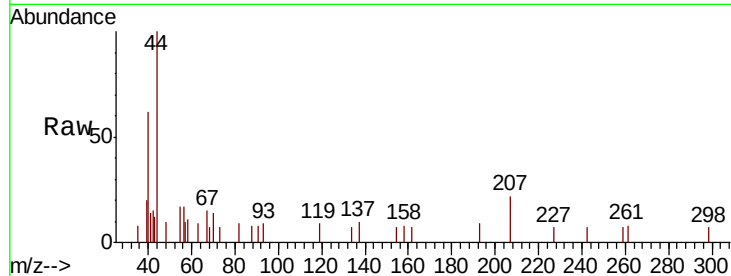
Tot Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 157.5 38.3 57.5#

58 145.8 47.4 71.2#



#50

Toluene-d8

Concen: 32.356 ug/l

RT: 7.67 min Scan# 714

Delta R.T. -0.01 min

Lab File: VF060487.D

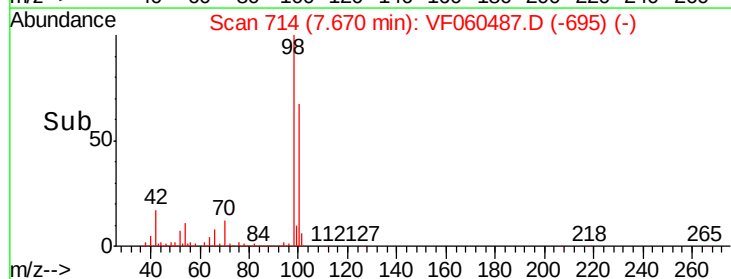
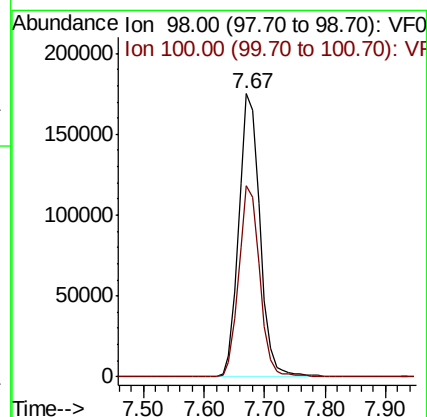
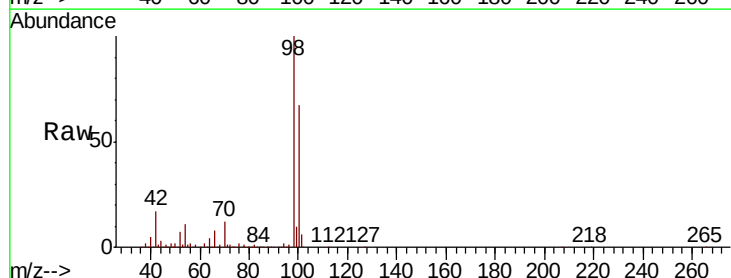
Acq: 8 Oct 2018 16:32

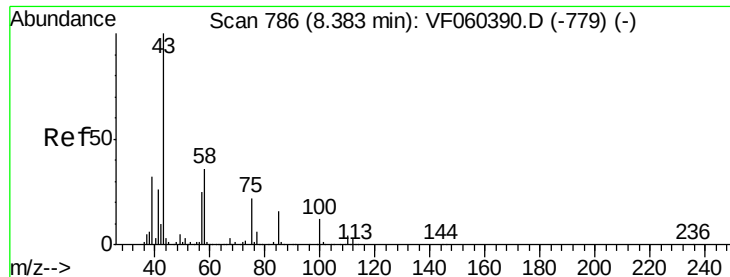
Tgt Ion: 98 Resp: 426070

Ion Ratio Lower Upper

98 100

100 67.4 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 1.618 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060487.D

Acq: 8 Oct 2018 16:32

Instrument :

MSVOA_F

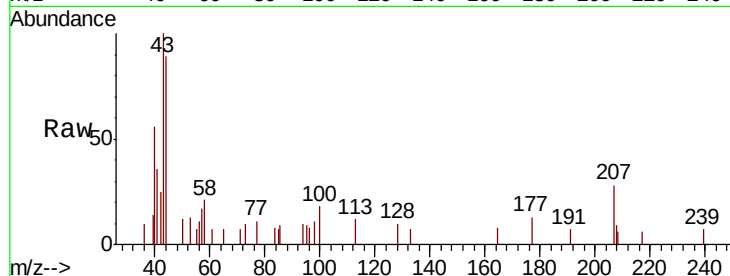
ClientSampleId :

Tot Ion: 43 Resp: 3740

Ion Ratio Lower Upper

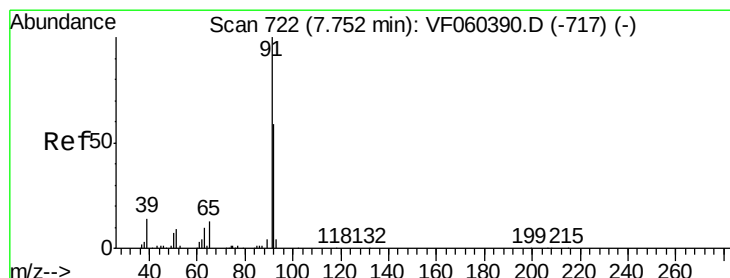
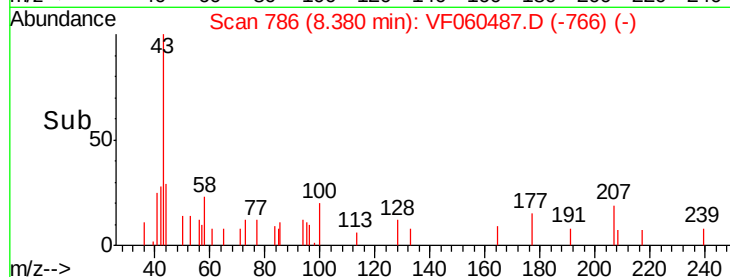
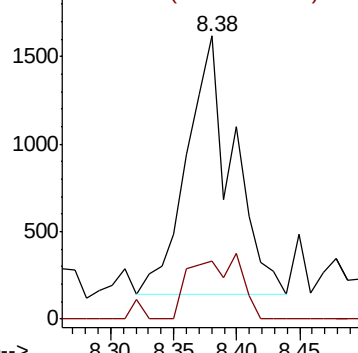
43 100

58 20.6 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.867 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.01 min

Lab File: VF060487.D

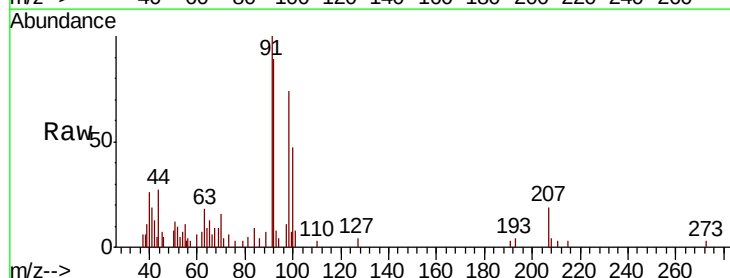
Acq: 8 Oct 2018 16:32

Tgt Ion: 63 Resp: 998

Ion Ratio Lower Upper

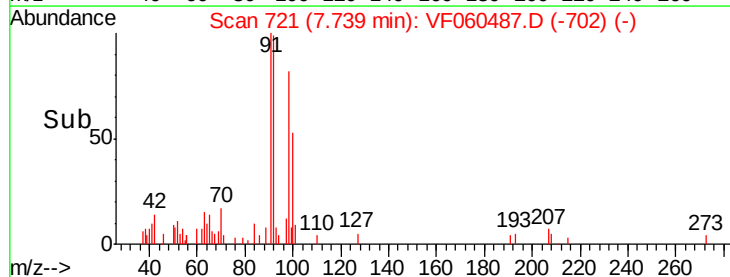
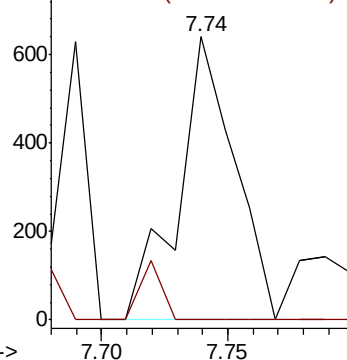
63 100

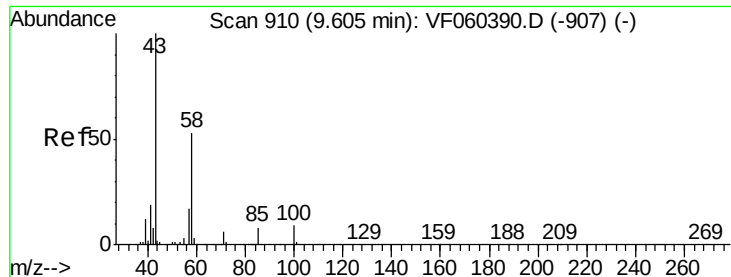
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

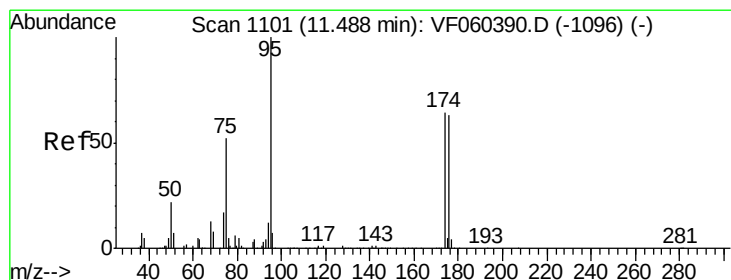
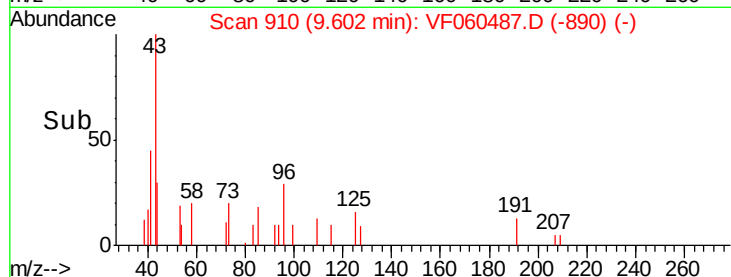
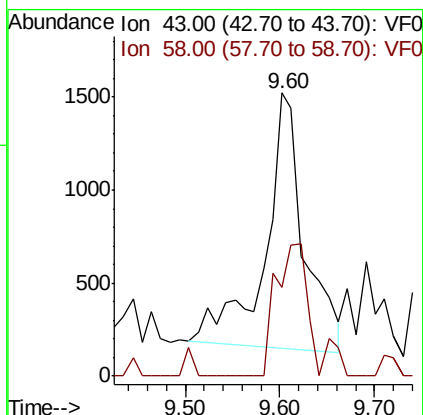
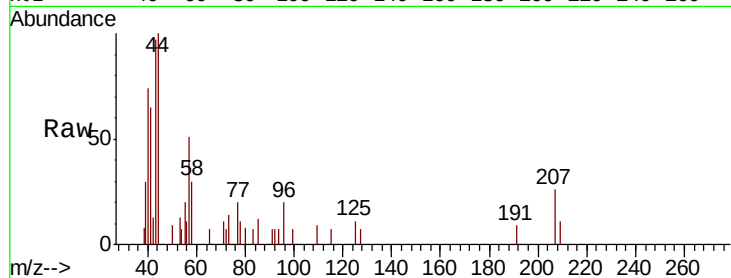




#59
2-Hexanone
Concen: 2.321 ug/l
RT: 9.60 min Scan# 910
Delta R.T. -0.00 min
Lab File: VF060487.D
Acq: 8 Oct 2018 16:32

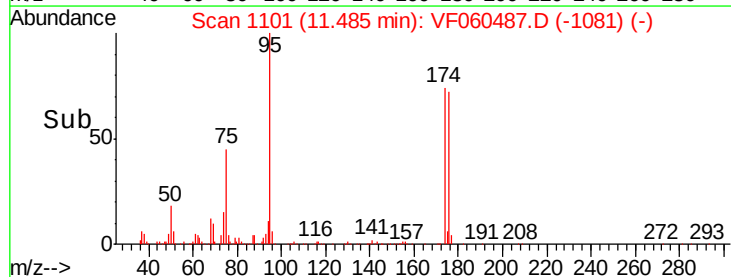
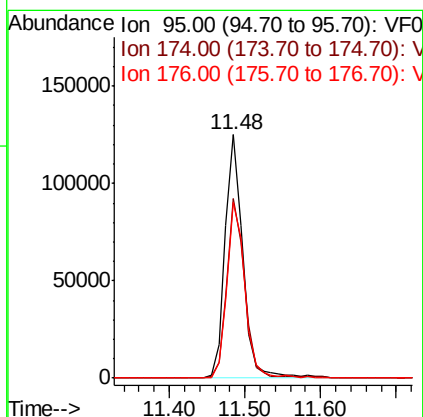
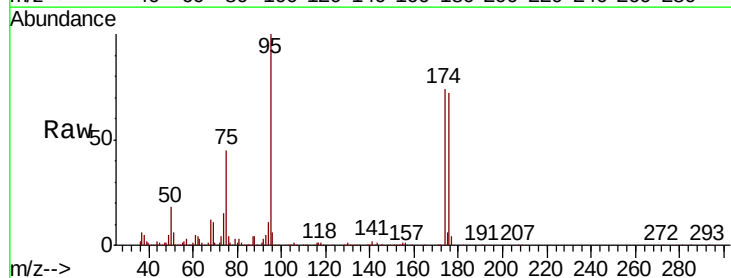
Instrument :
MSVOA_F
ClientSampleId :

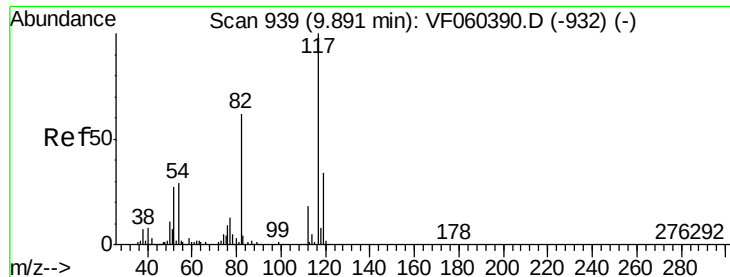
Tot Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
58 31.2 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 33.875 ug/l
RT: 11.48 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VF060487.D
Acq: 8 Oct 2018 16:32

Tgt Ion: 95 Resp: 203678
Ion Ratio Lower Upper
95 100
174 73.6 0.0 129.0
176 72.3 0.0 125.6

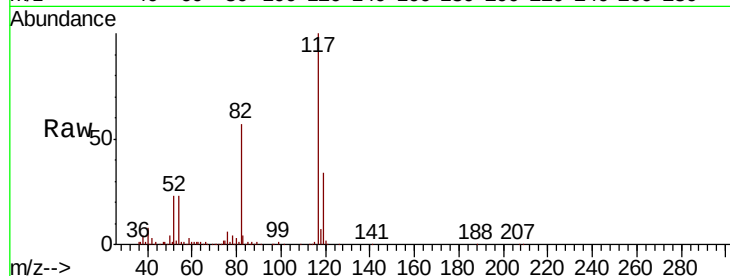




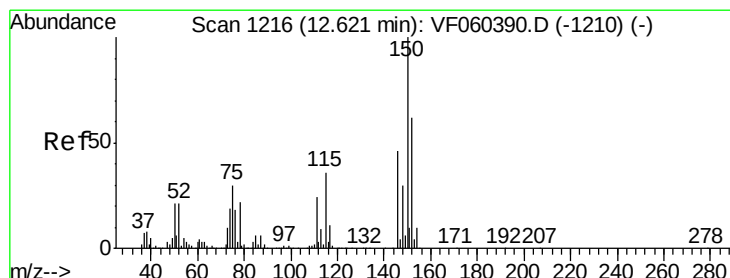
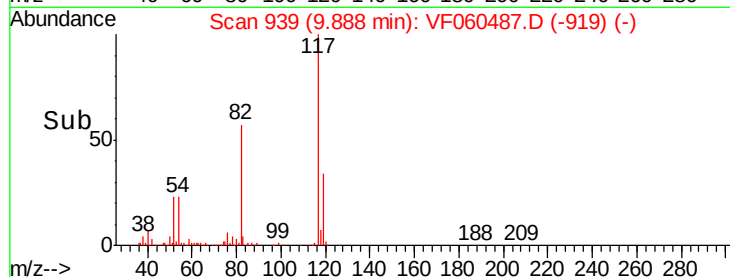
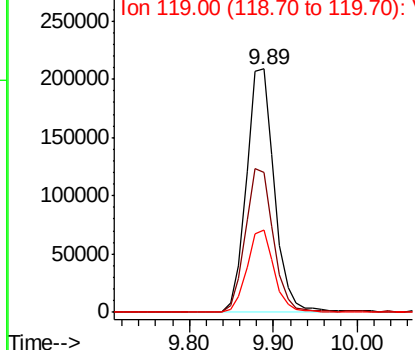
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF060487.D
Acq: 8 Oct 2018 16:32

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 485630
Ion Ratio Lower Upper
117 100
82 57.4 49.5 74.3
119 33.9 27.0 40.6

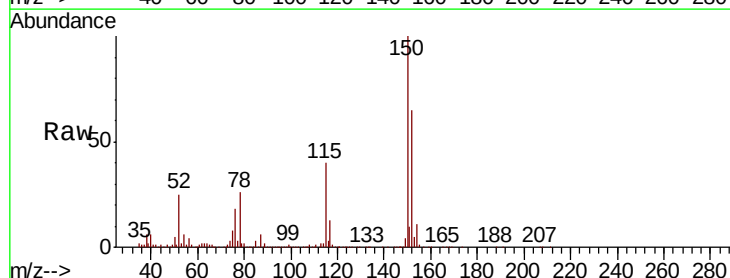


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

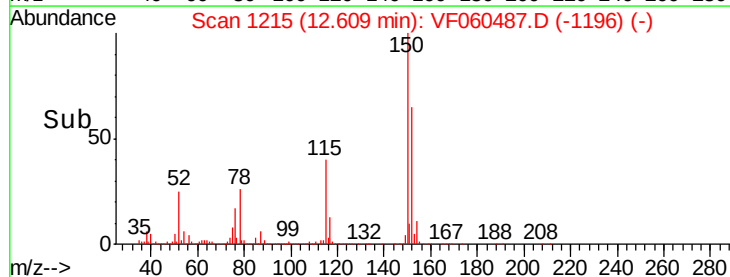
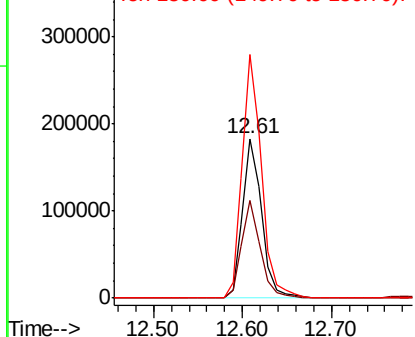


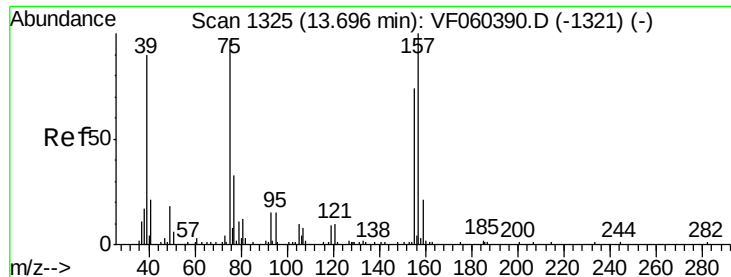
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VF060487.D
Acq: 8 Oct 2018 16:32

Tgt Ion:152 Resp: 275004
Ion Ratio Lower Upper
152 100
115 61.4 28.6 85.8
150 152.9 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





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.330 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060487.D
 Acq: 8 Oct 2018 16:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 75 Resp: 1018
 Ion Ratio Lower Upper
 75 100
 155 323.5 37.9 113.6#
 157 32.9 51.3 154.0#

