

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059380.D
 Acq On : 29 Jun 2018 16:51
 Operator : VA/AP
 Sample : J3774-07
 Misc : 5.66g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 29 23:40:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

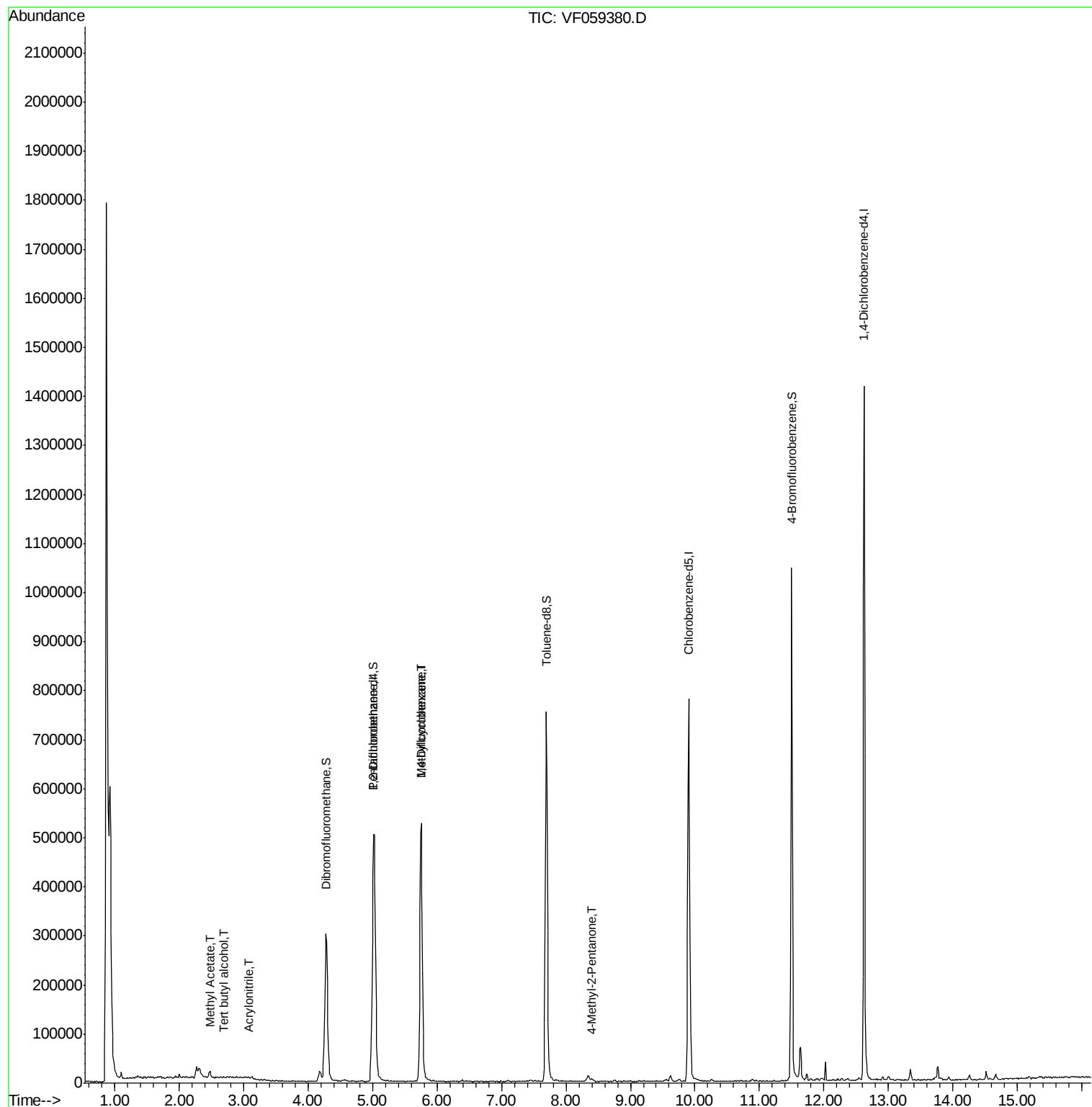
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	348120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	562126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	545417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	345533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	264910	58.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.80%	
35) Dibromofluoromethane	4.28	113	275233	67.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.02%	
50) Toluene-d8	7.70	98	629281	61.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.76%	
62) 4-Bromofluorobenzene	11.50	95	357945	62.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.33	94	587	Below Cal	#	65
11) Tert butyl alcohol	2.68	59	316	1.055 ug/l	#	1
13) Acrolein	2.14	56	617	Below Cal		82
15) Acrylonitrile	3.07	53	573	1.087 ug/l	#	29
16) Acetone	2.33	43	4686	Below Cal		98
18) Methyl Acetate	2.47	43	4658	1.158 ug/l	#	75
20) Methylene Chloride	2.27	84	10453	Below Cal	#	79
25) 2-Butanone	4.51	43	2275	Below Cal	#	59
29) Tetrahydrofuran	4.27	42	1674	Below Cal	#	43
37) Ethyl Acetate	4.26	43	1741	Below Cal	#	63
39) Methylcyclohexane	5.75	83	6688	1.537 ug/l	#	38
49) 1,4-Dioxane	6.85	88	61	Below Cal	#	20
51) 4-Methyl-2-Pentanone	8.40	43	3673	1.212 ug/l		90
59) 2-Hexanone	9.63	43	10705	Below Cal		88
87) 1,3-Dichlorobenzene	12.55	146	1632	Below Cal		77

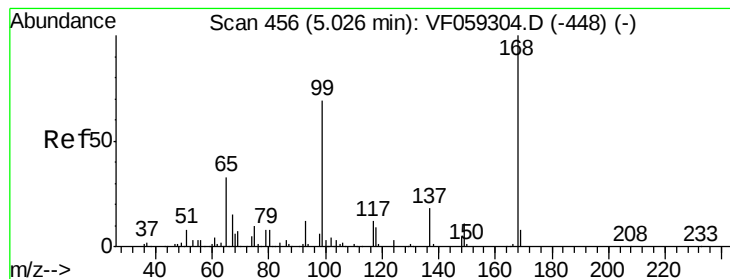
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062918\
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

Instrument :

MSVOA_F

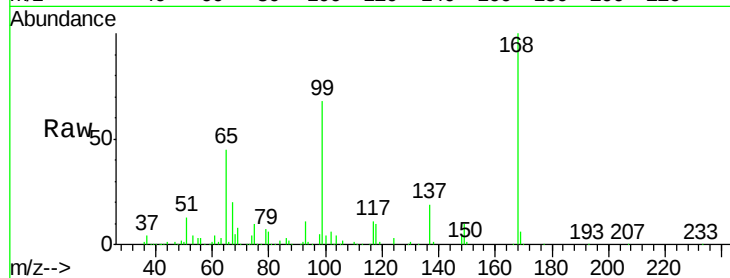
ClientSampleId :

Tot Ion:168 Resp: 348120

Ion Ratio Lower Upper

168 100

99 68.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

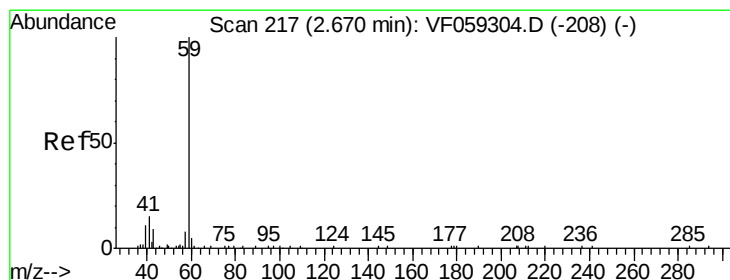
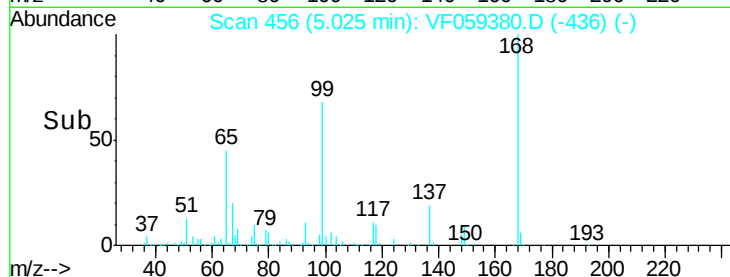
5.03

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.055 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059380.D

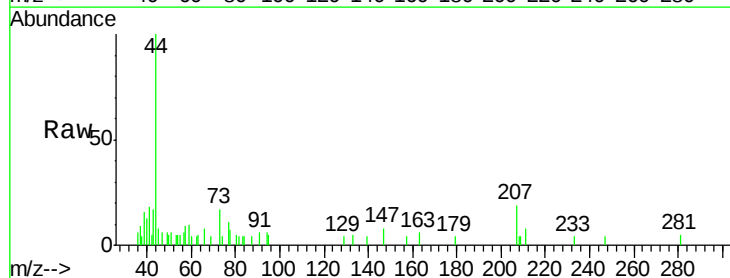
Acq: 29 Jun 2018 16:51

Tgt Ion: 59 Resp: 316

Ion Ratio Lower Upper

59 100

57 90.9 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

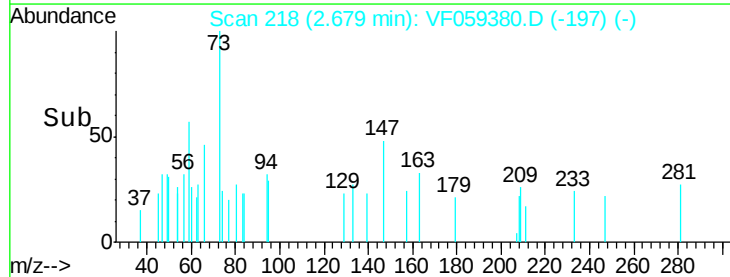
300

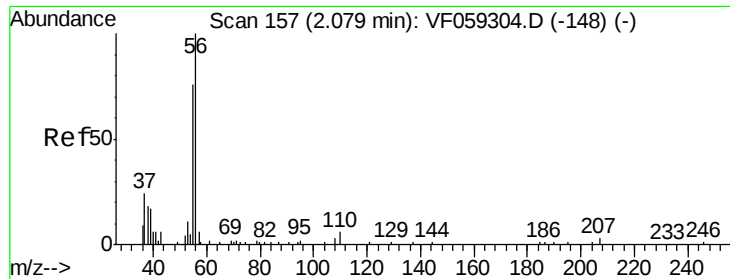
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.14 min Scan# 163

Delta R.T. 0.06 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

Instrument :

MSVOA_F

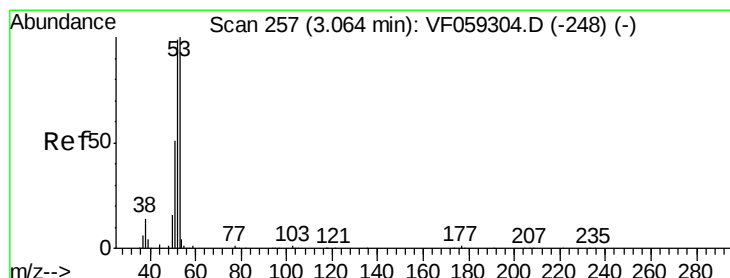
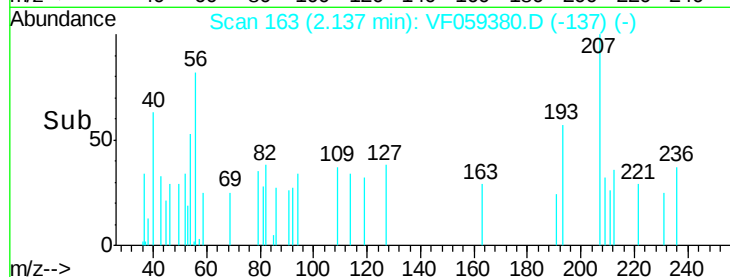
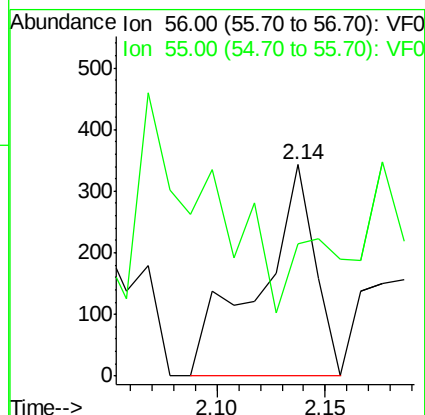
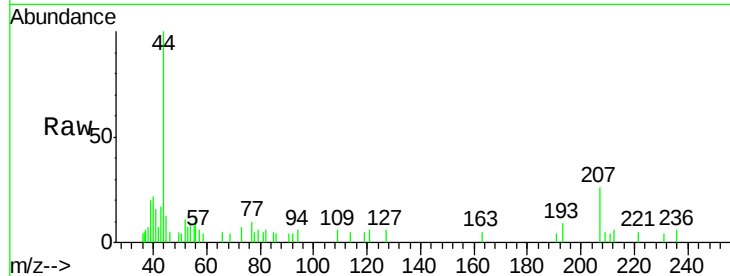
ClientSampleId :

Tot Ion: 56 Resp: 617

Ion Ratio Lower Upper

56 100

55 62.7 62.4 93.6



#15

Acrylonitrile

Concen: 1.087 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

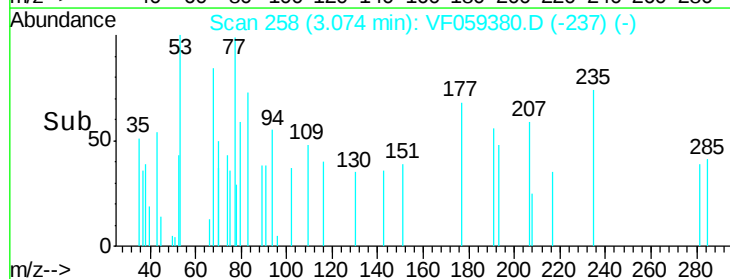
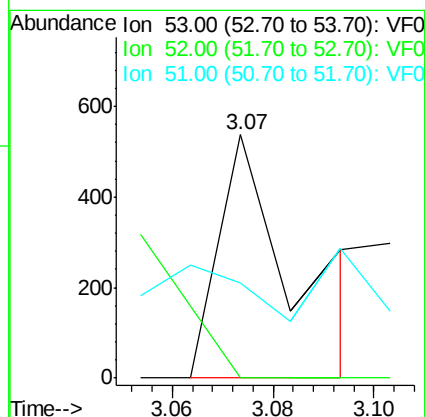
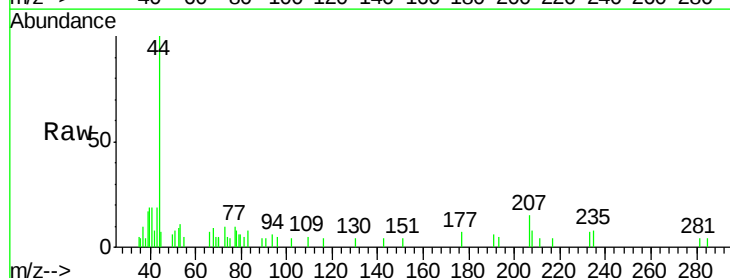
Tgt Ion: 53 Resp: 573

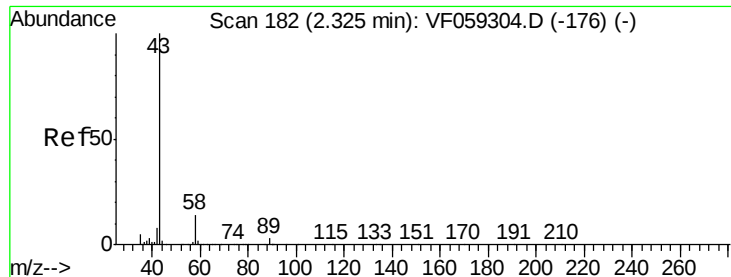
Ion Ratio Lower Upper

53 100

52 0.0 79.2 118.8#

51 39.2 40.9 61.3#





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

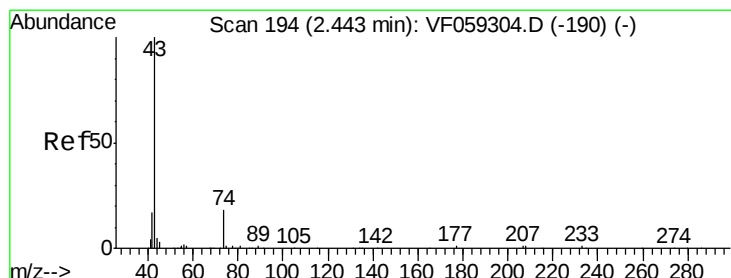
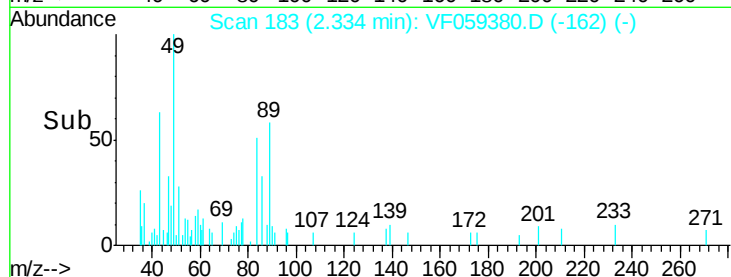
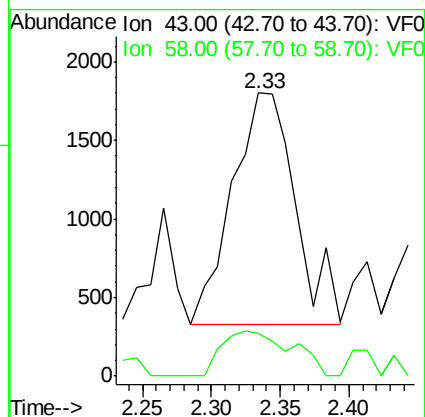
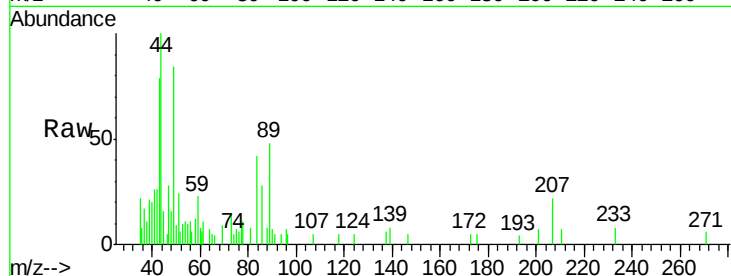
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 4686

Ion Ratio Lower Upper

43 100

58 14.9 11.4 17.0



#18

Methyl Acetate

Concen: 1.158 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059380.D

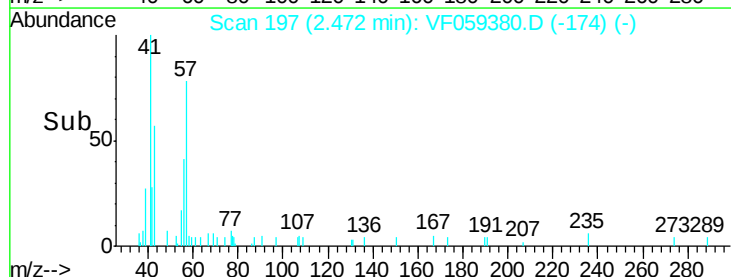
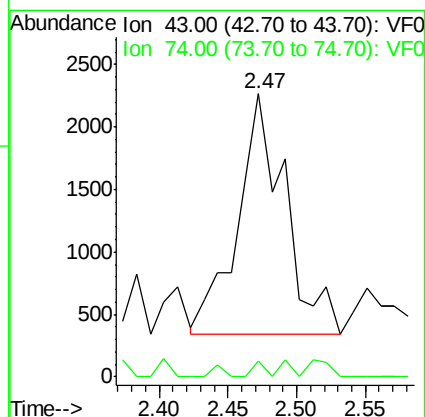
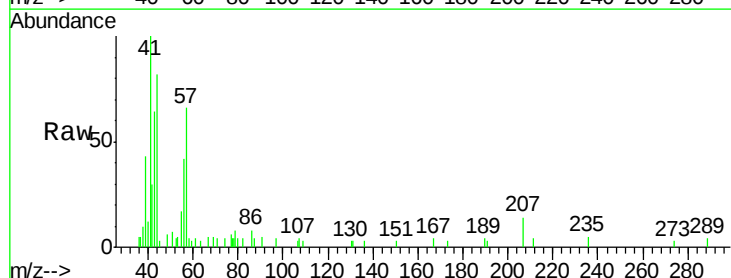
Acq: 29 Jun 2018 16:51

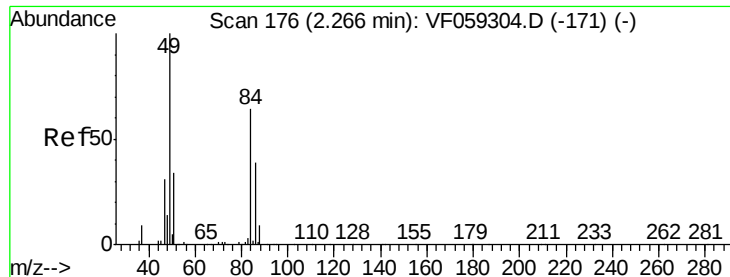
Tgt Ion: 43 Resp: 4658

Ion Ratio Lower Upper

43 100

74 5.7 13.3 19.9#

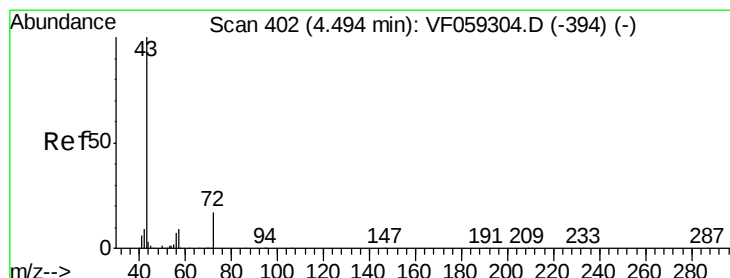
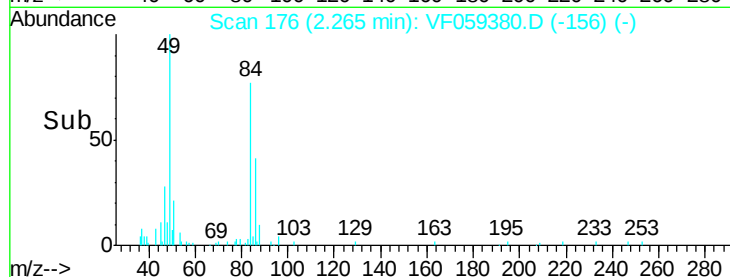
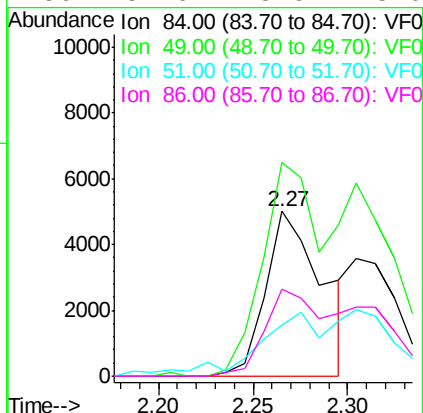
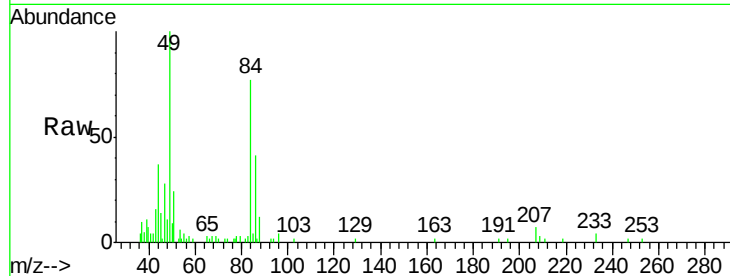




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

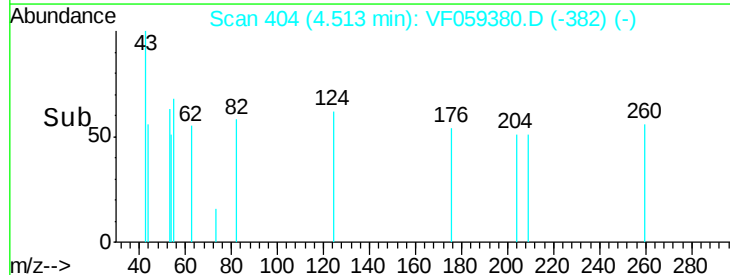
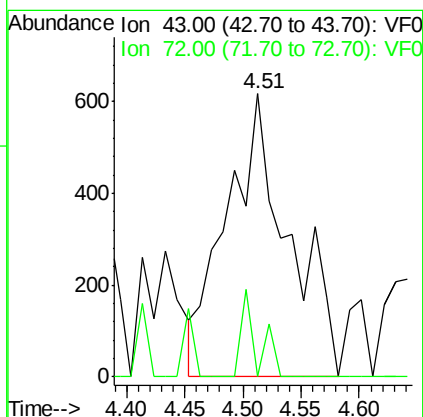
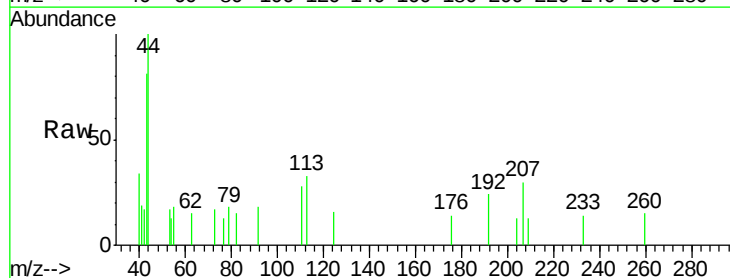
Instrument :
MSVOA_F
ClientSampleId :

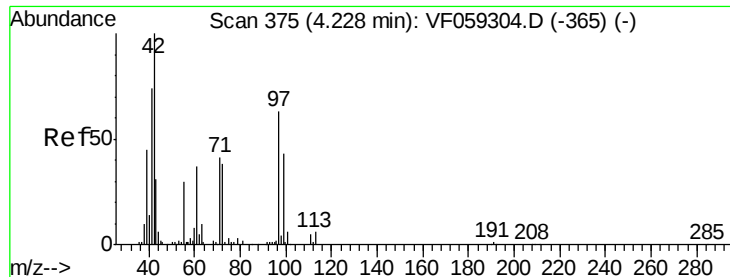
Tot Ion	84	Resp	10453
Ion Ratio	Lower	Upper	
84	100		
49	129.5	126.5	189.7
51	30.9	42.9	64.3#
86	52.6	48.6	73.0



#25
2-Butanone
Concen: Below Cal
RT: 4.51 min Scan# 404
Delta R.T. 0.02 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

Tgt Ion	43	Resp	2275
Ion Ratio	Lower	Upper	
43	100		
72	0.0	14.4	21.6#

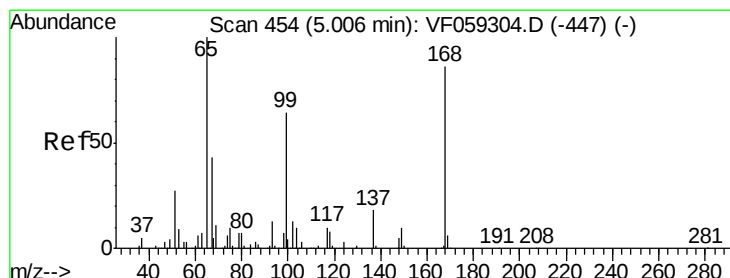
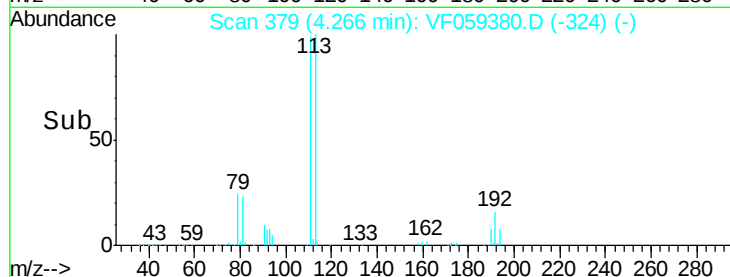
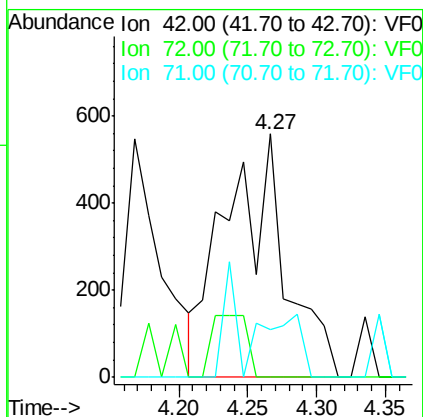
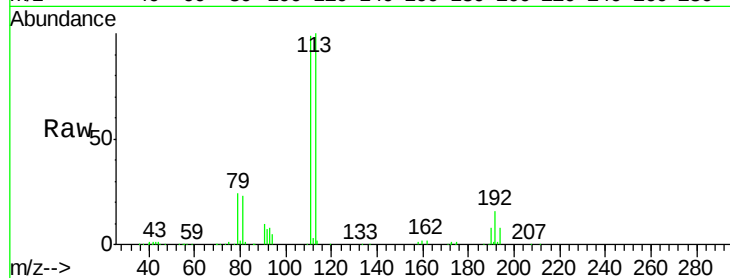




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. 0.04 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

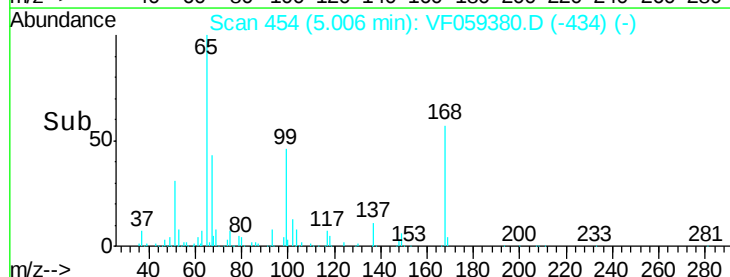
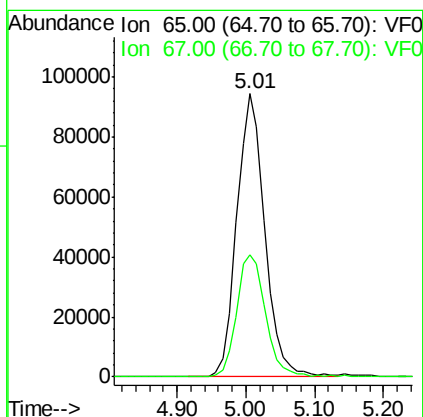
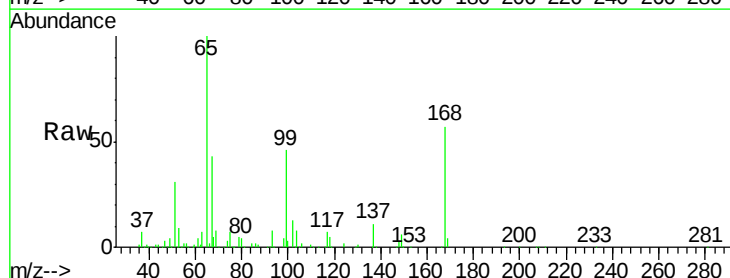
Instrument :
MSVOA_F
ClientSampleId :

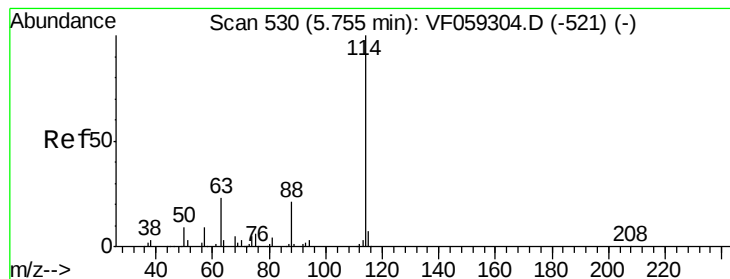
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	9.2	32.5	48.7#



#33
1,2-Dichloroethane-d4
Concen: 58.899 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	43.2	0.0	96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

Instrument :

MSVOA_F

ClientSampleId :

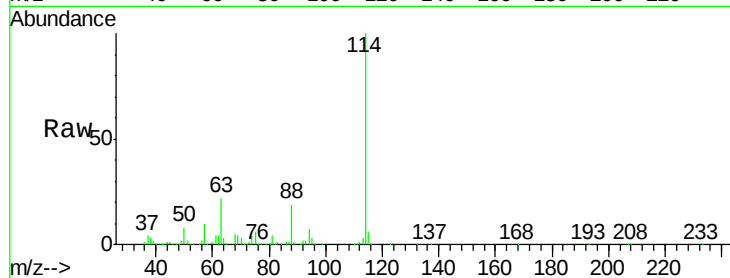
Tot Ion:114 Resp: 562126

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.8

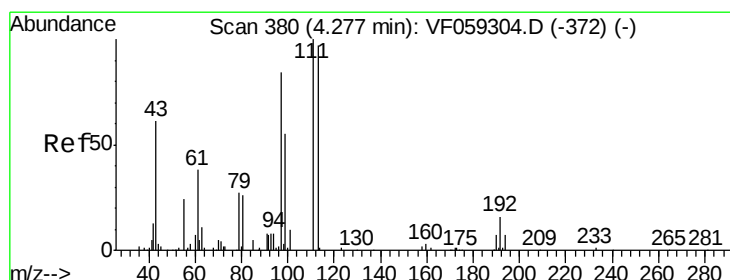
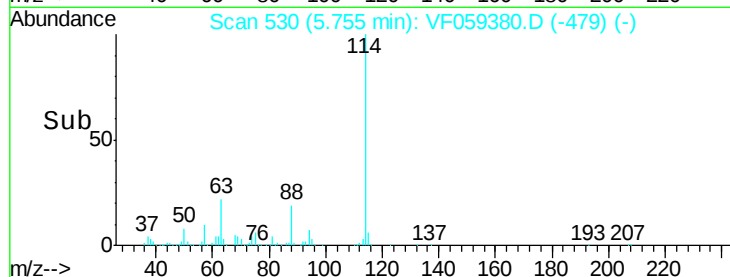
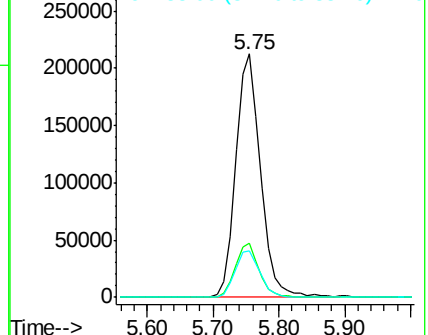
88 18.9 0.0 41.2



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: 67.011 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

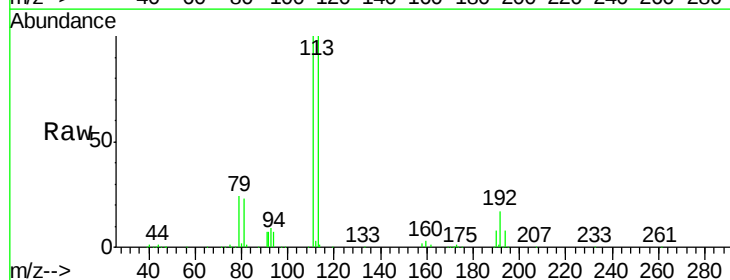
Tgt Ion:113 Resp: 275233

Ion Ratio Lower Upper

113 100

111 99.9 82.1 123.1

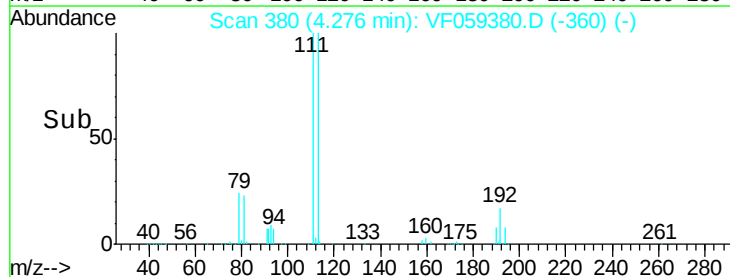
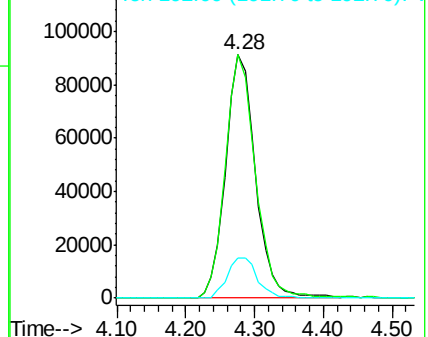
192 16.7 13.0 19.6

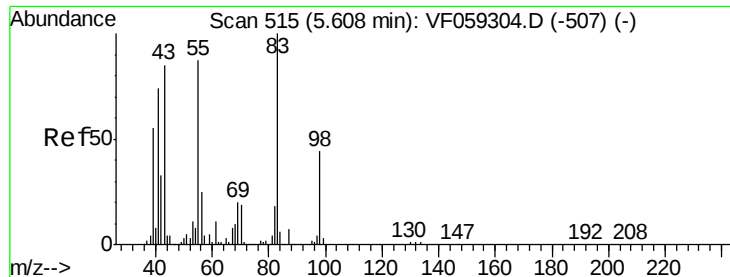


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

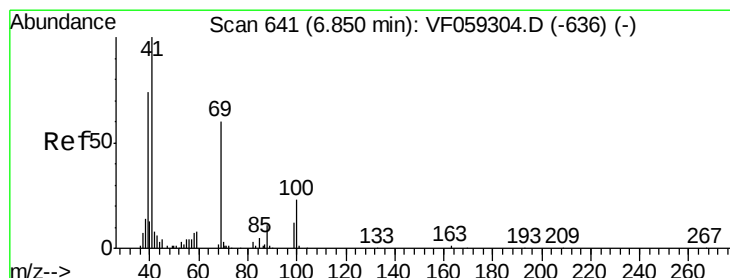
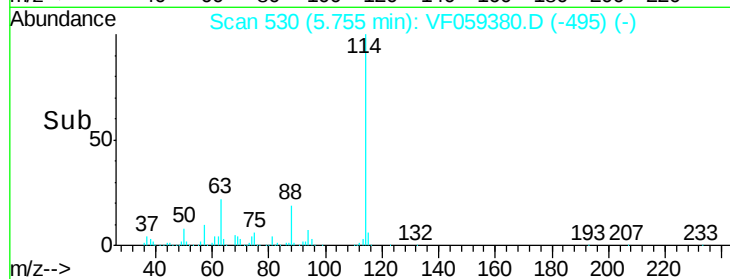
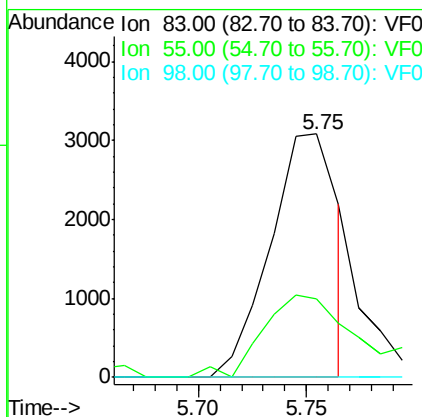
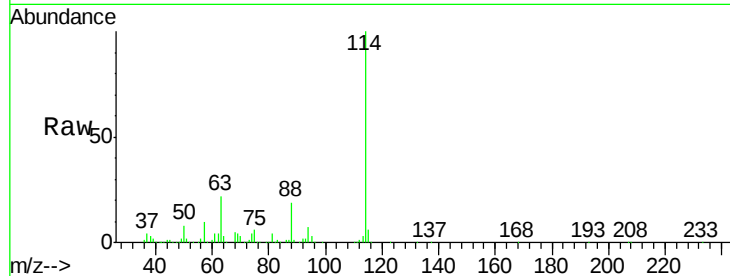




#39
Methvlcvclohexane
Concen: 1.537 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.15 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

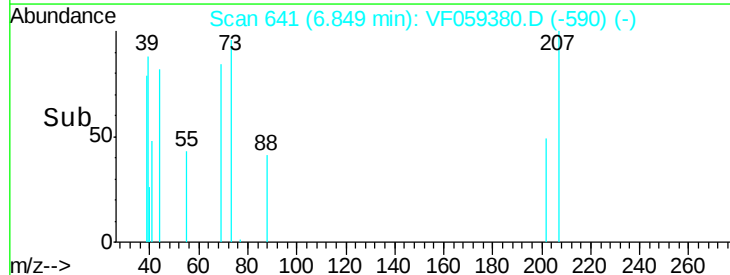
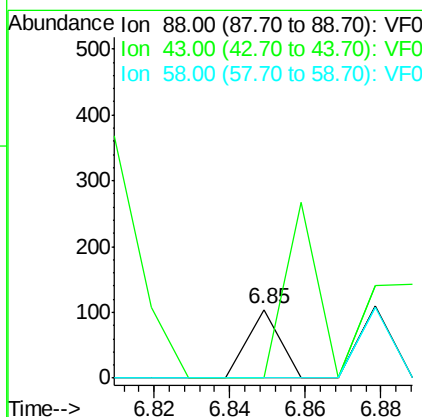
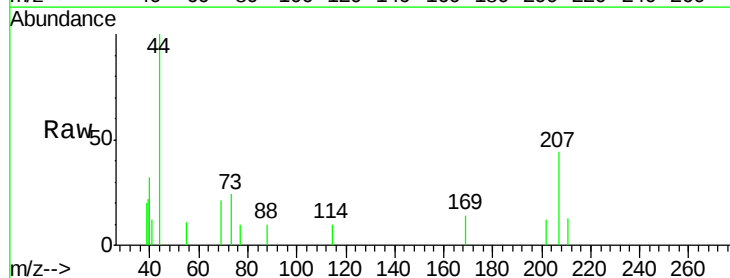
Instrument :
MSVOA_F
ClientSampleId :

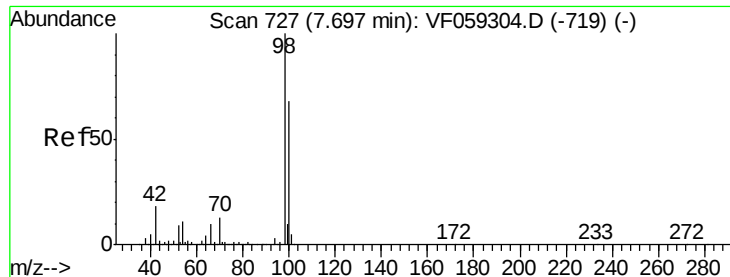
Tot Ion: 83 Resp: 6688
Ion Ratio Lower Upper
83 100
55 32.2 69.2 103.8#
98 0.0 35.0 52.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 50.6 75.8#
58 0.0 46.6 69.8#

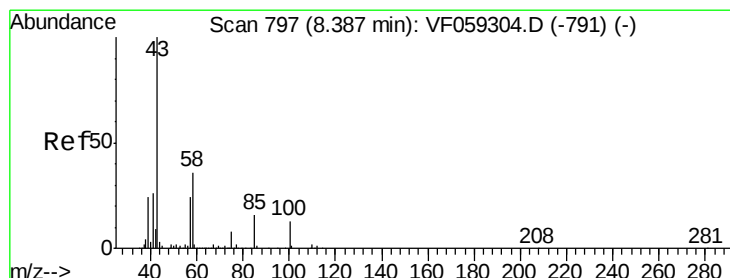
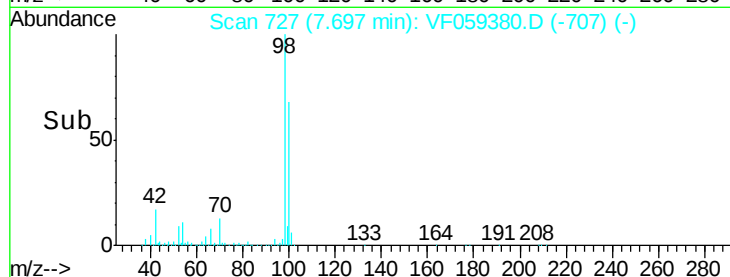
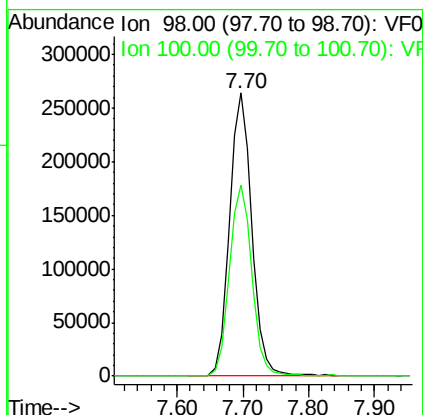
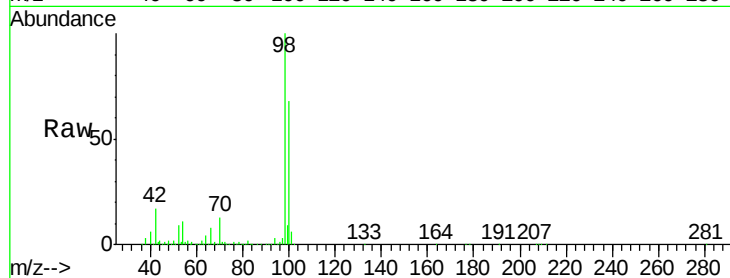




#50
Toluene-d8
Concen: 61.881 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

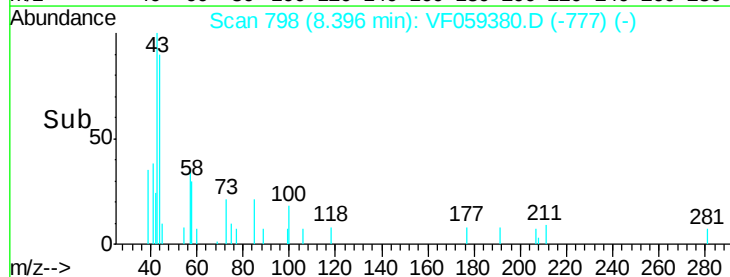
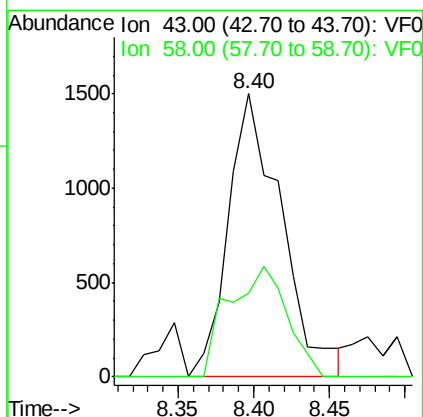
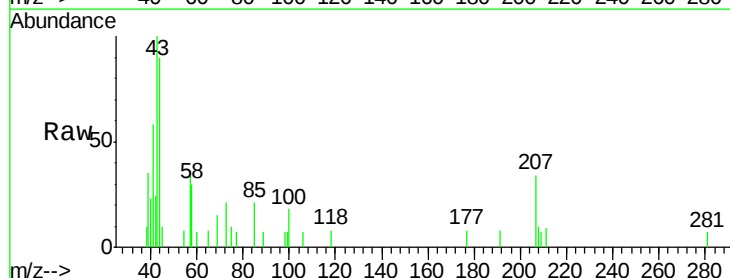
Instrument :
MSVOA_F
ClientSampleId :

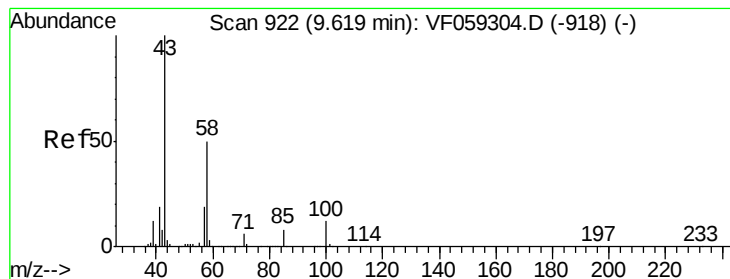
Tot Ion: 98 Resp: 629281
Ion Ratio Lower Upper
98 100
100 67.7 54.6 82.0



#51
4-Methyl-2-Pentanone
Concen: 1.212 ug/l
RT: 8.40 min Scan# 798
Delta R.T. 0.01 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

Tgt Ion: 43 Resp: 3673
Ion Ratio Lower Upper
43 100
58 29.7 28.4 42.6





#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

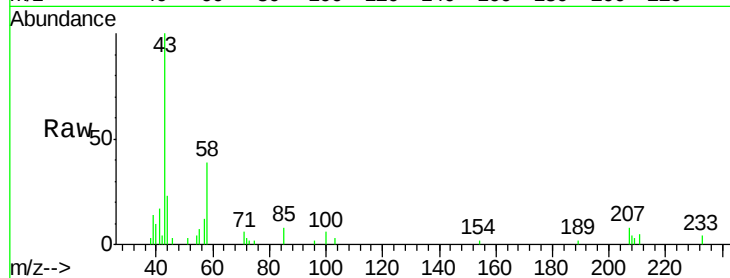
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 10705

Ion Ratio Lower Upper

43 100

58 38.8 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

5000

4000

3000

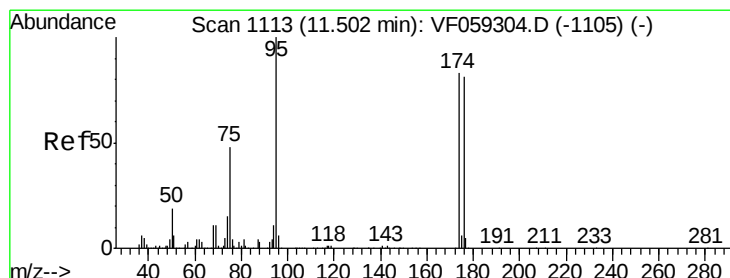
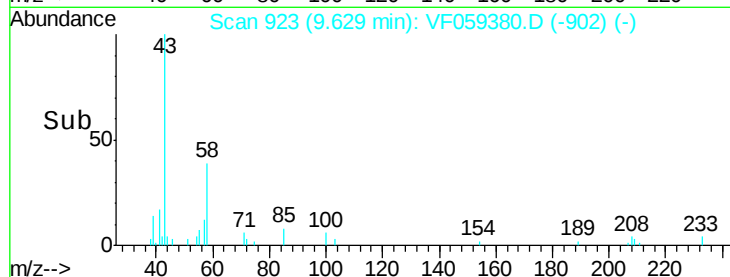
2000

1000

0

9.55 9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 62.399 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059380.D

Acq: 29 Jun 2018 16:51

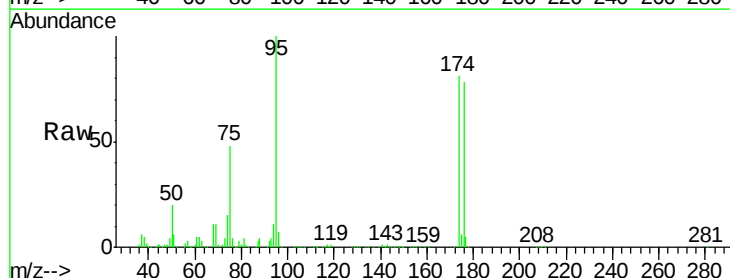
Tgt Ion: 95 Resp: 357945

Ion Ratio Lower Upper

95 100

174 81.1 0.0 165.2

176 77.7 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

250000

200000

150000

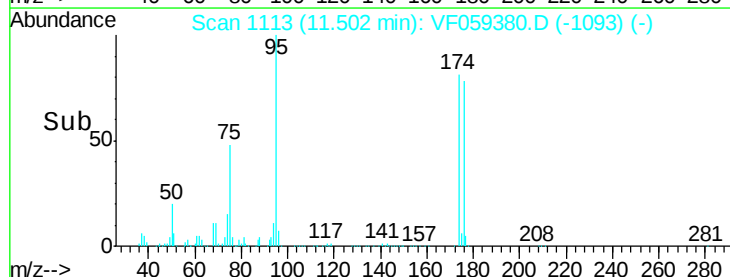
100000

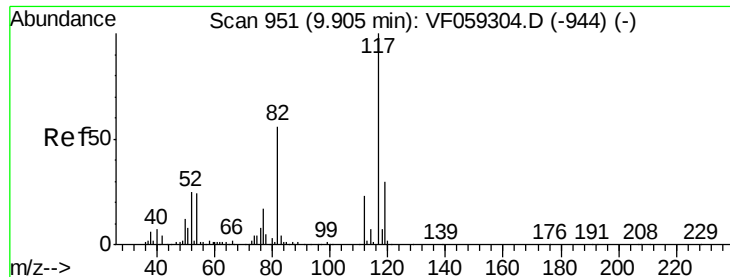
50000

0

11.40 11.50 11.60 11.70

Time-->

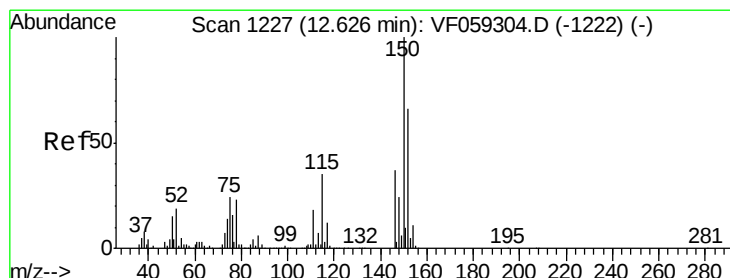
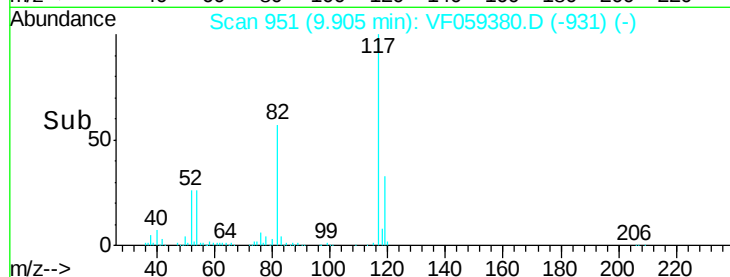
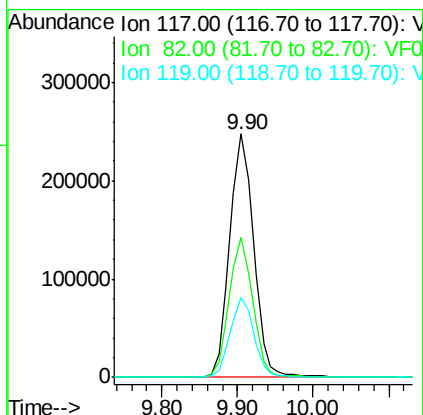
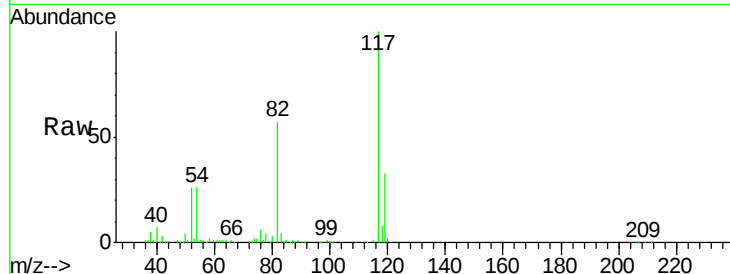




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

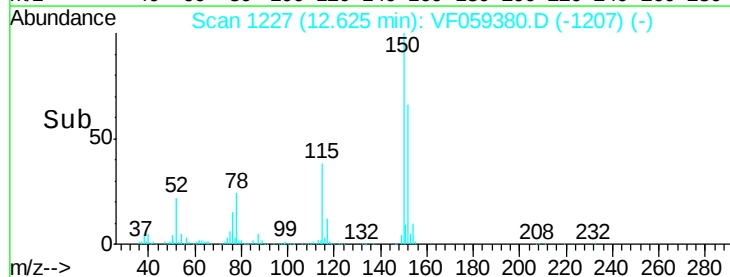
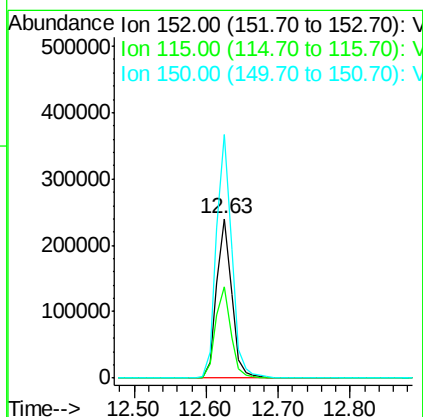
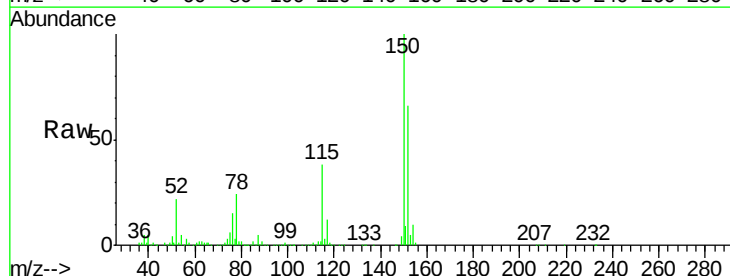
Instrument :
MSVOA_F
ClientSampleId :

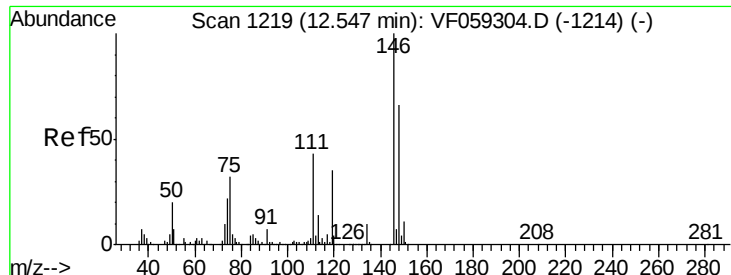
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	32.8	24.1	36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059380.D
Acq: 29 Jun 2018 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.1	81.3
150	152.4	0.0	305.2

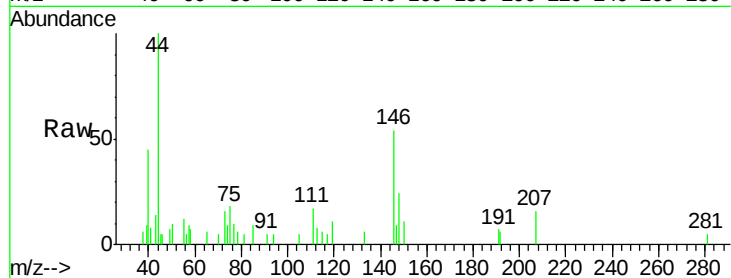




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059380.D
 Acq: 29 Jun 2018 16:51

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	31.3	21.4	64.2
148	45.0	32.8	98.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

