

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059271.D
 Acq On : 21 Jun 2018 20:27
 Operator : VA/AP
 Sample : VF0621SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 22 07:05:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	264976	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	405232	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	393893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	257070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	186713	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
35) Dibromofluoromethane	4.28	113	177952	52.19	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.38%	
50) Toluene-d8	7.70	98	429889	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.51	95	229167	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	

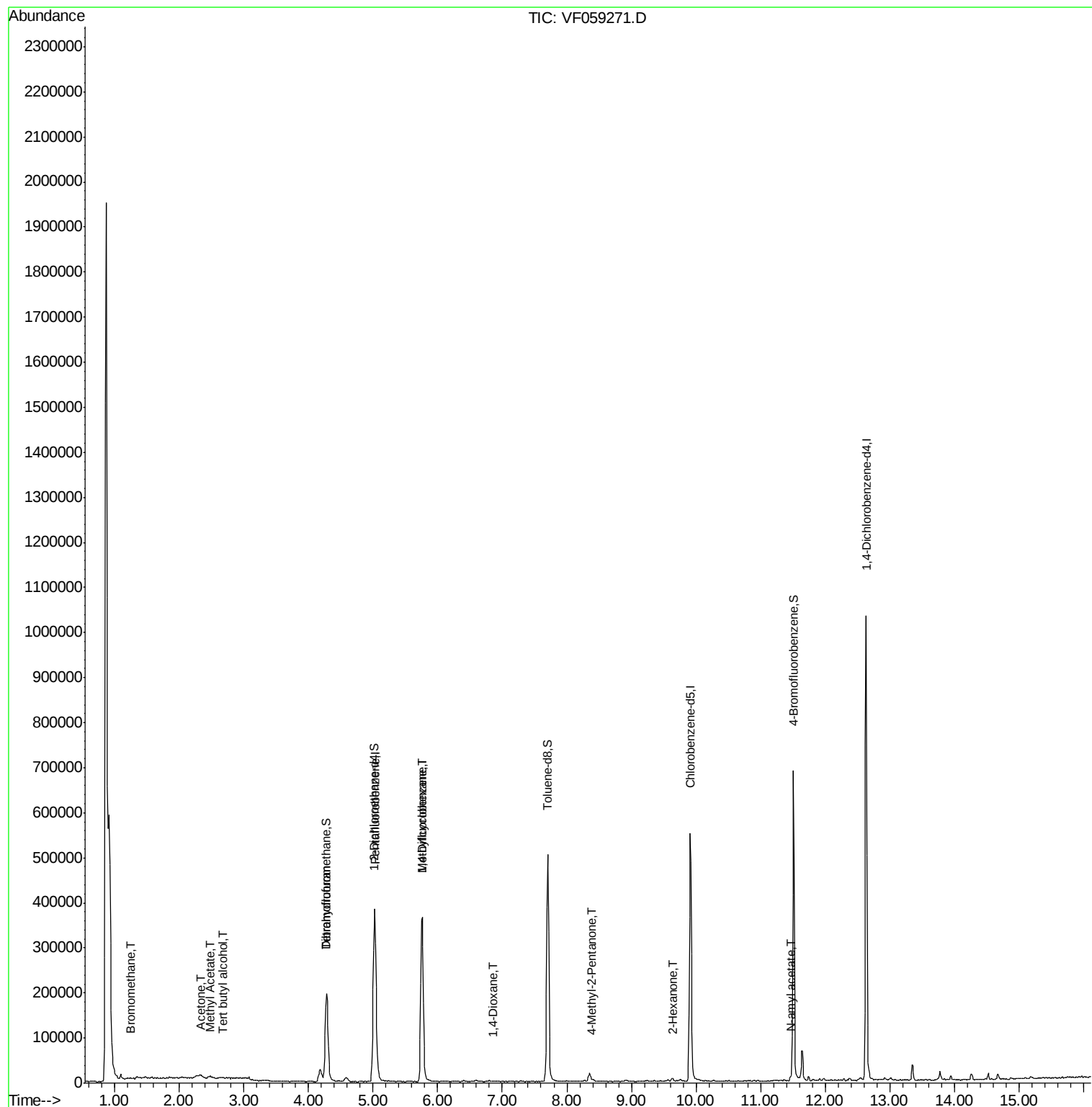
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.24	94	99	1.85	ug/l	90
11) Tert butyl alcohol	2.68	59	419	1.89	ug/l #	70
13) Acrolein	1.93	56	117	Below Cal		97
15) Acrylonitrile	3.07	53	636	Below Cal #		23
16) Acetone	2.33	43	3939	4.38	ug/l #	74
18) Methyl Acetate	2.47	43	2899	1.71	ug/l #	66
20) Methylene Chloride	2.27	84	2191	Below Cal #		82
29) Tetrahydrofuran	4.28	42	810	1.50	ug/l #	37
39) Methylcyclohexane	5.75	83	5552	1.46	ug/l #	46
49) 1,4-Dioxane	6.85	88	60	4.90	ug/l #	20
51) 4-Methyl-2-Pentanone	8.40	43	3090	1.30	ug/l #	73
59) 2-Hexanone	9.63	43	6363	3.38	ug/l	96
74) N-amyl acetate	11.46	43	5868	1.01	ug/l	96

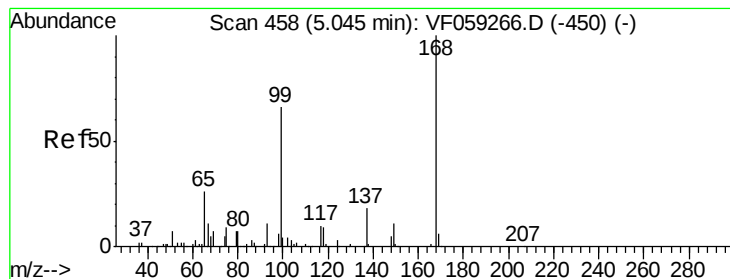
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062118\
Data File : VF059271.D
Acq On : 21 Jun 2018 20:27
Operator : VA/AP
Sample : VF062118BL01
Misc : 5.00µL/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 22 07:05:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059271.D

Acq: 21 Jun 2018 20:27

Instrument :

MSVOA_F

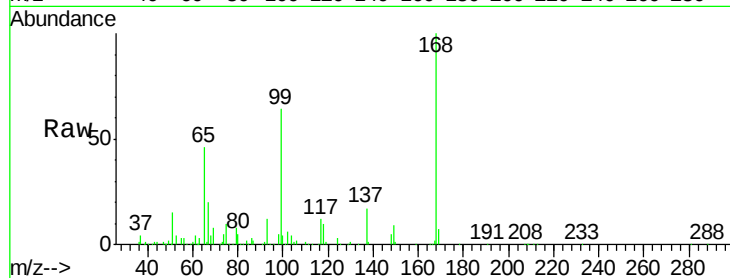
ClientSampleId :

Tot Ion:168 Resp: 264976

Ion Ratio Lower Upper

168 100

99 64.2 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

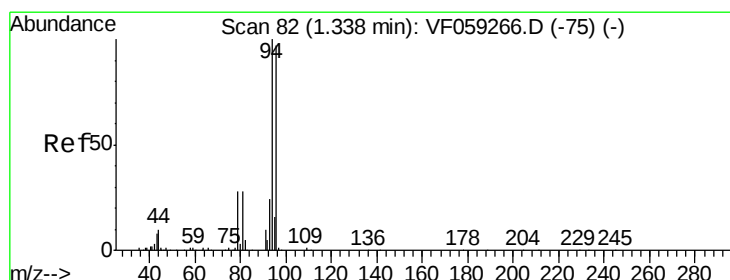
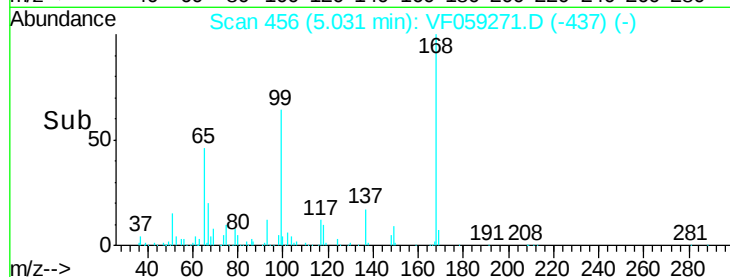
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.85 ug/l

RT: 1.24 min Scan# 71

Delta R.T. -0.10 min

Lab File: VF059271.D

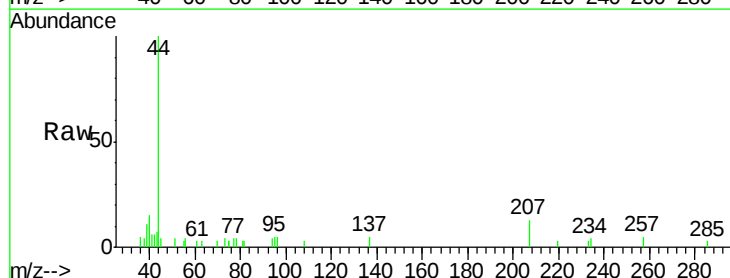
Acq: 21 Jun 2018 20:27

Tgt Ion: 94 Resp: 99

Ion Ratio Lower Upper

94 100

96 107.2 77.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.24

200

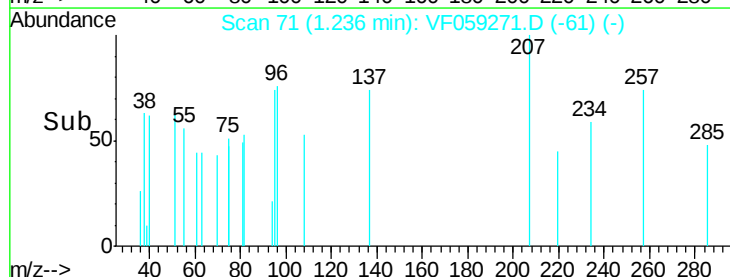
150

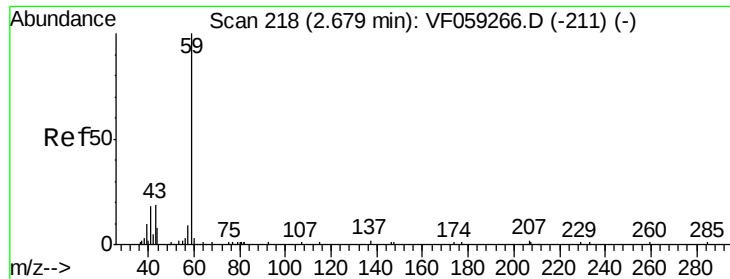
100

50

0

Time-->



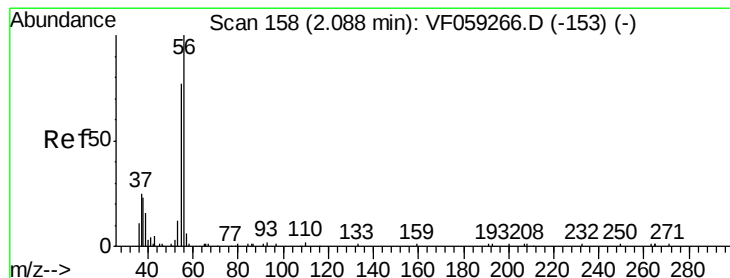
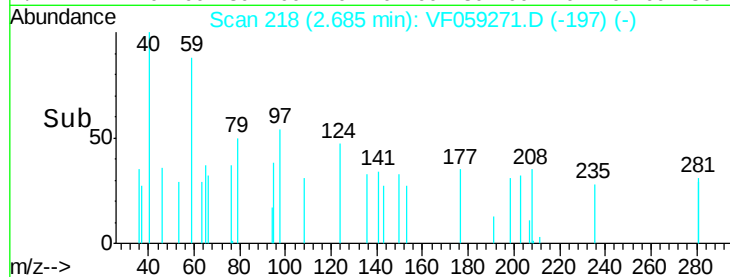
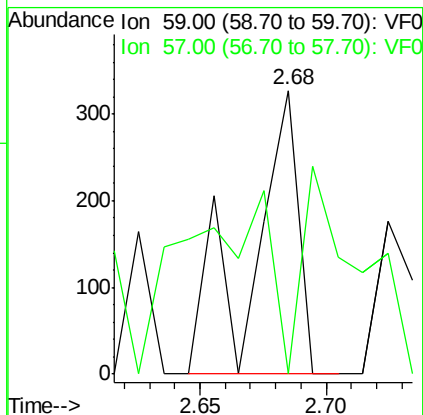
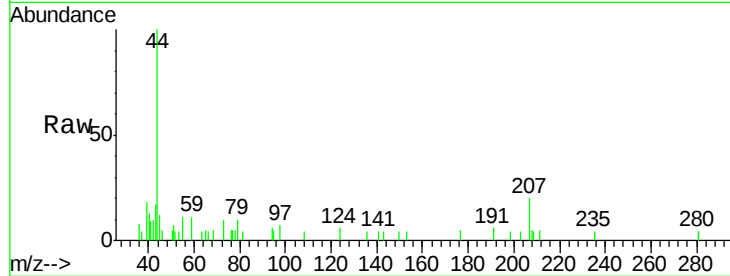


#11

Tert butyl alcohol
Concen: 1.89 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Instrument :
MSVOA_F
ClientSampled :

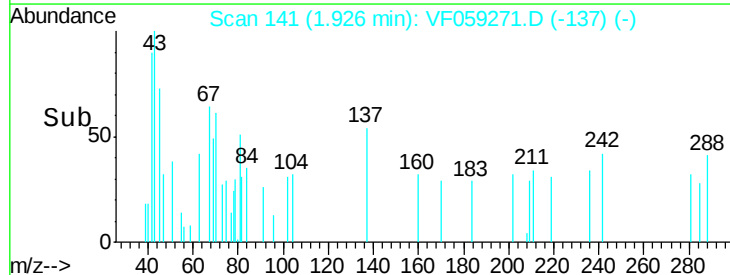
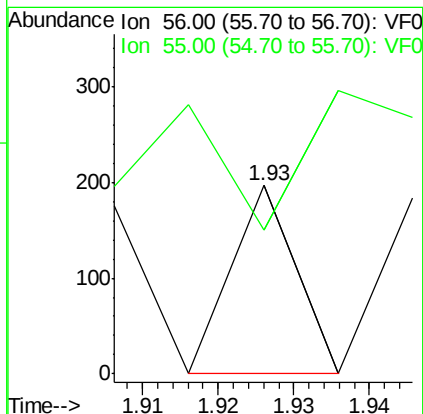
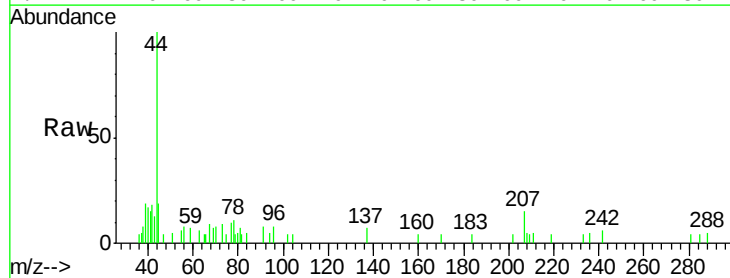
Tot Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

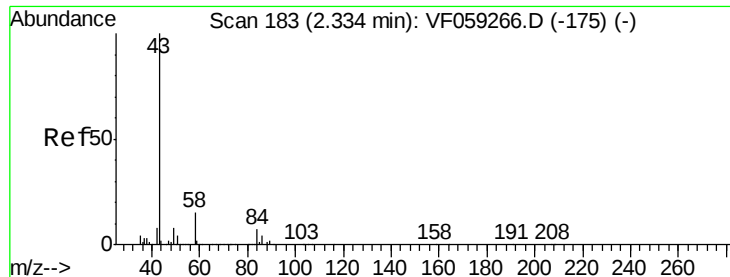


#13

Acrolein
Concen: Below Cal
RT: 1.93 min Scan# 141
Delta R.T. -0.16 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 76.1 63.0 94.6

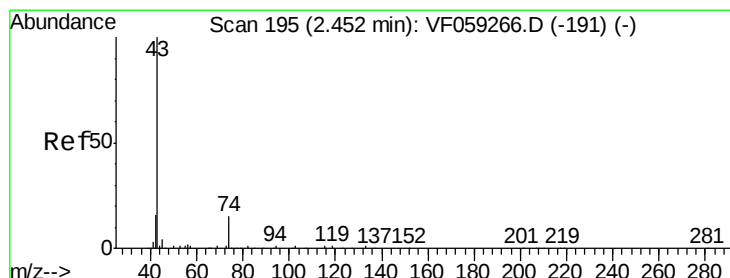
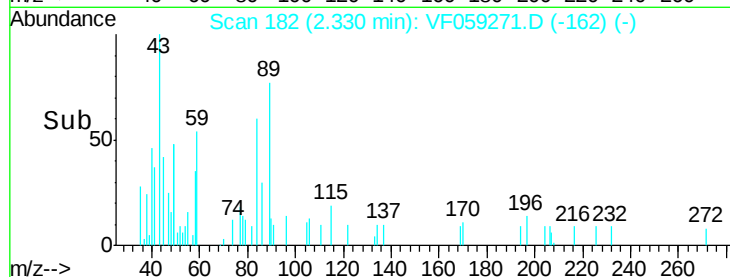
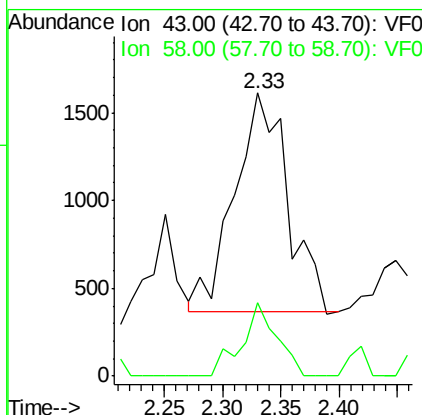
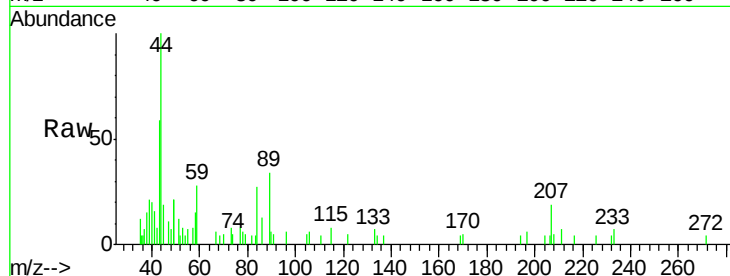




#16
Acetone
Concen: 4.38 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

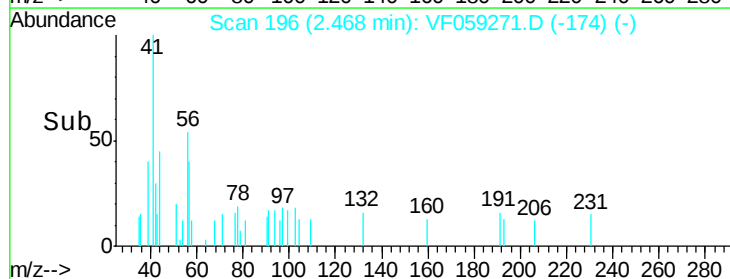
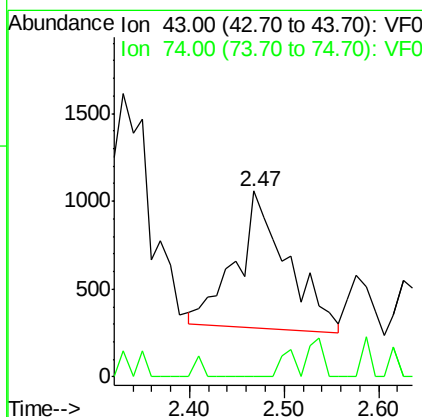
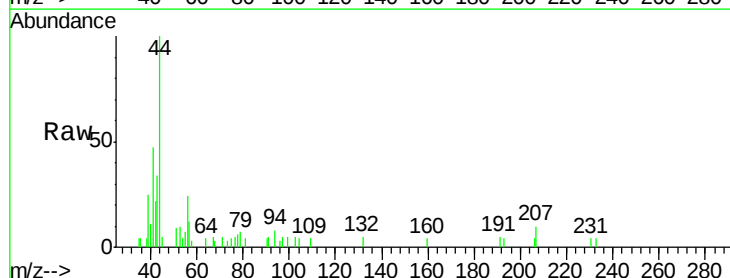
Instrument :
MSVOA_F
ClientSampleId :

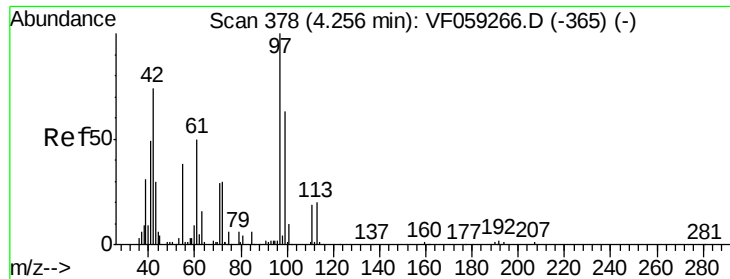
Tot Ion: 43 Resp: 3939
Ion Ratio Lower Upper
43 100
58 25.9 12.1 18.1#



#18
Methyl Acetate
Concen: 1.71 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Tgt Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#





#29

Tetrahydrofuran

Concen: 1.50 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.03 min

Lab File: VF059271.D

Acq: 21 Jun 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

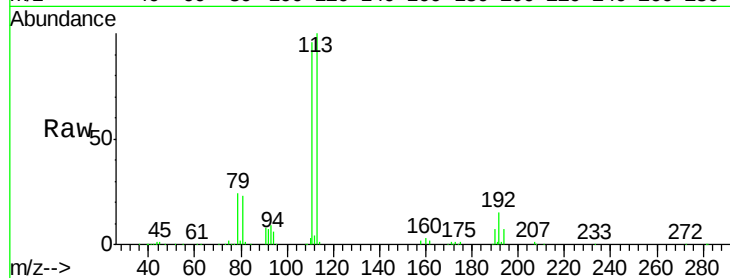
Tot Ion: 42 Resp: 810

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

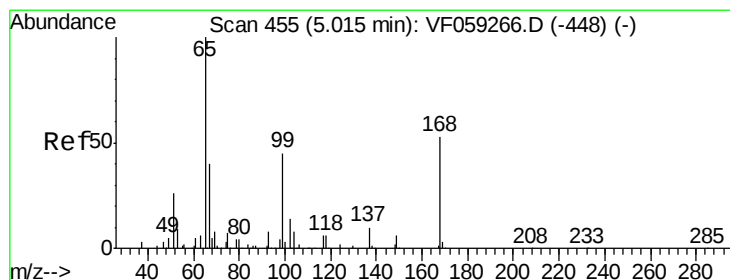
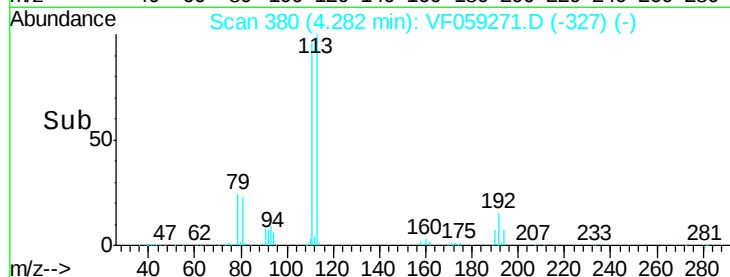
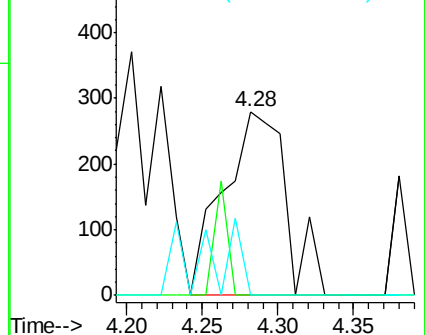
71 0.0 30.2 45.2#



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: 49.09 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059271.D

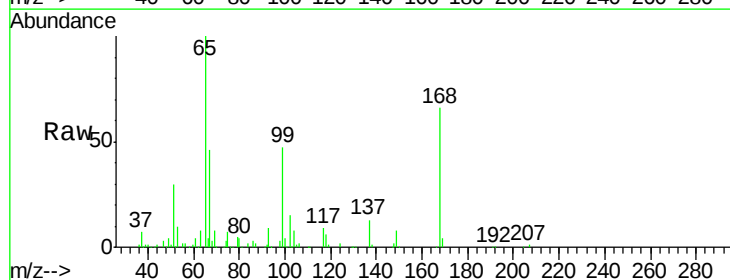
Acq: 21 Jun 2018 20:27

Tgt Ion: 65 Resp: 186713

Ion Ratio Lower Upper

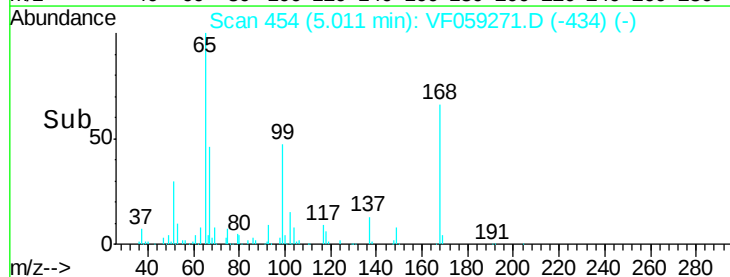
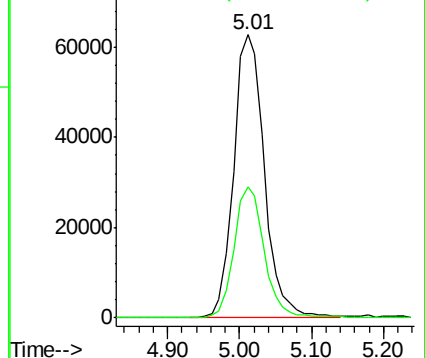
65 100

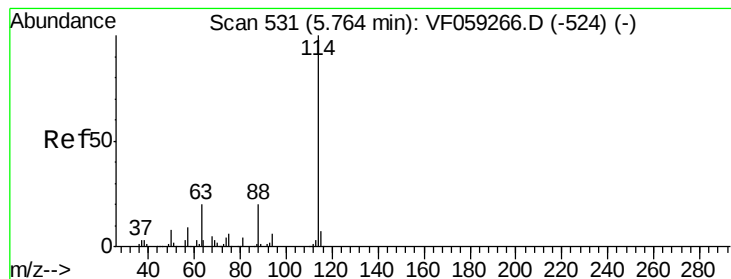
67 46.3 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059271.D

Acq: 21 Jun 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

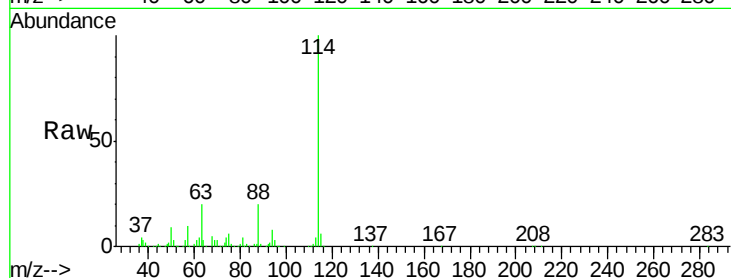
Tot Ion:114 Resp: 405232

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

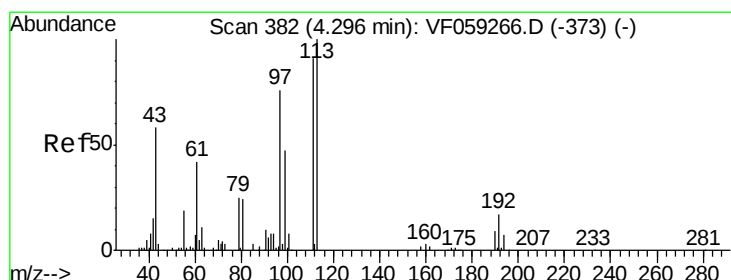
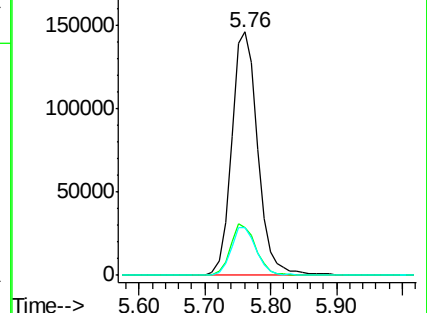
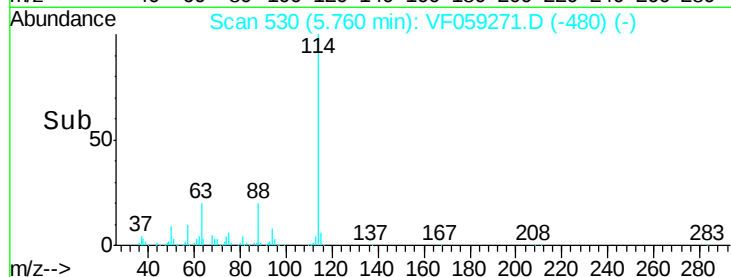
88 19.5 0.0 39.6



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: 52.19 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059271.D

Acq: 21 Jun 2018 20:27

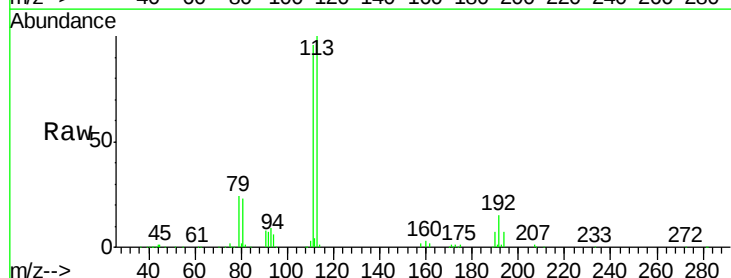
Tgt Ion:113 Resp: 177952

Ion Ratio Lower Upper

113 100

111 96.2 73.1 109.7

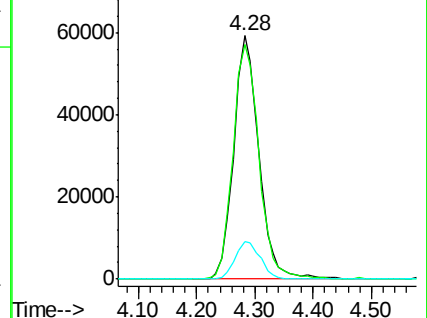
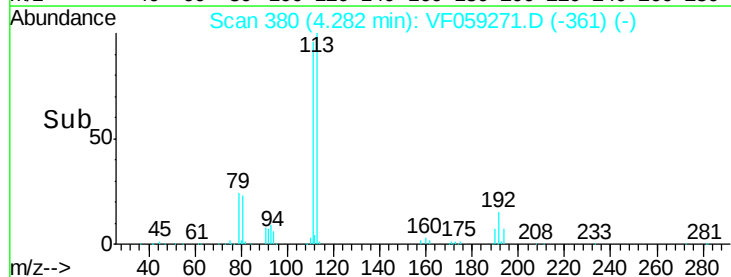
192 15.2 13.9 20.9

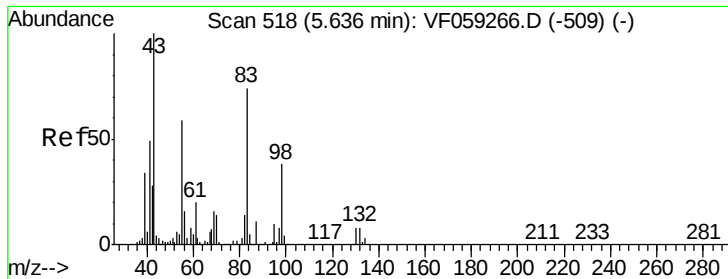


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

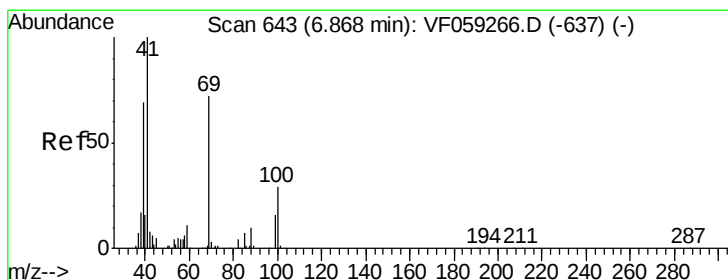
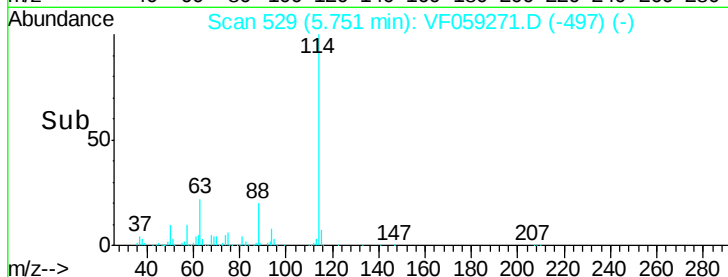
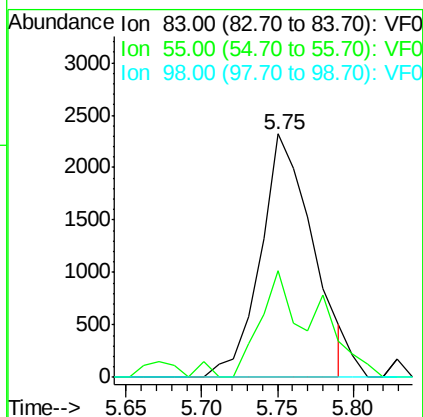
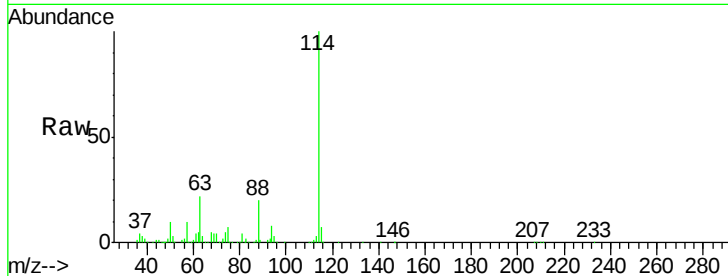




#39
Methylcyclohexane
Concen: 1.46 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

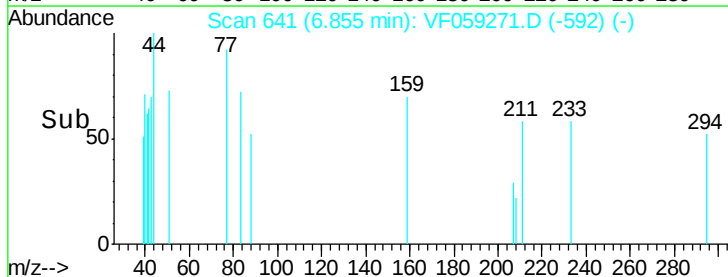
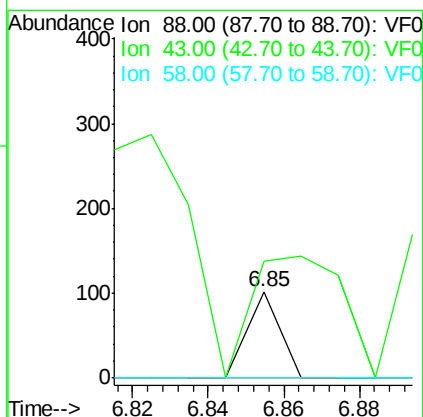
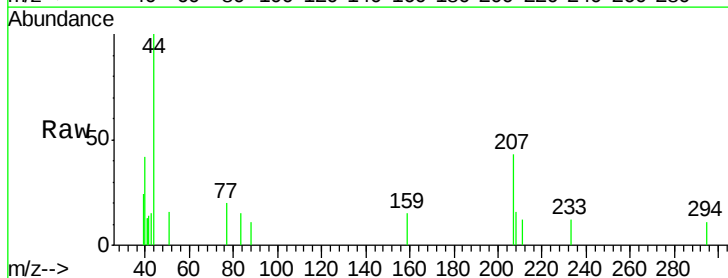
Instrument :
MSVOA_F
ClientSampleId :

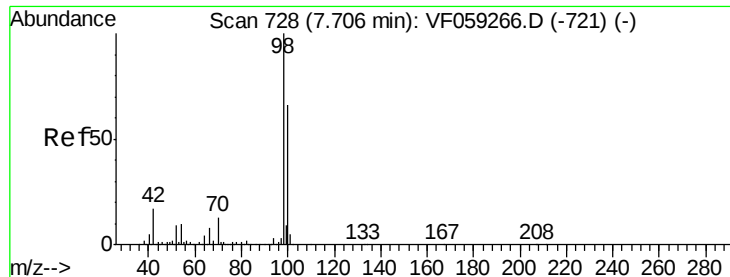
Tot Ion: 83 Resp: 5552
Ion Ratio Lower Upper
83 100
55 43.7 63.7 95.5#
98 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 4.90 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 134.3 55.5 83.3#
58 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 49.57 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059271.D

Acq: 21 Jun 2018 20:27

Instrument :

MSVOA_F

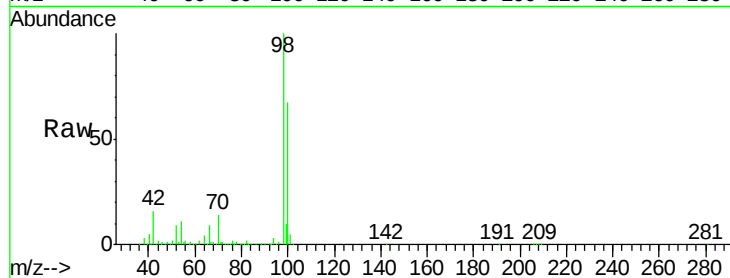
ClientSampleId :

Tot Ion: 98 Resp: 429889

Ion Ratio Lower Upper

98 100

100 67.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.70

200000

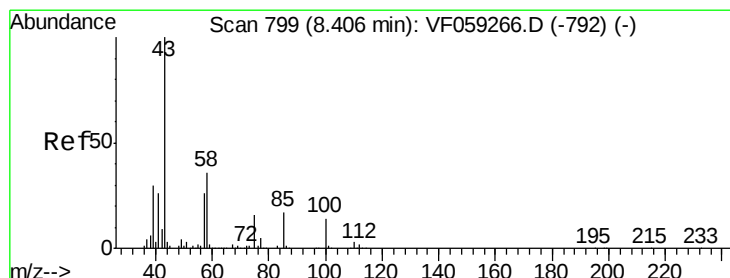
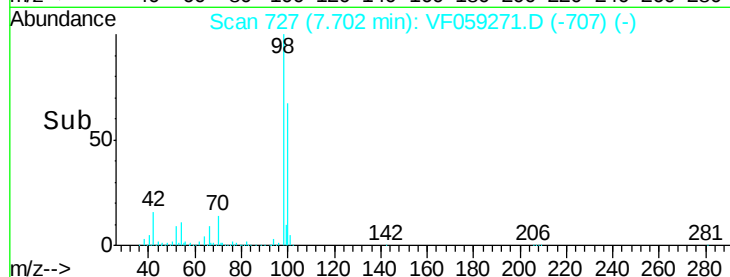
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.30 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059271.D

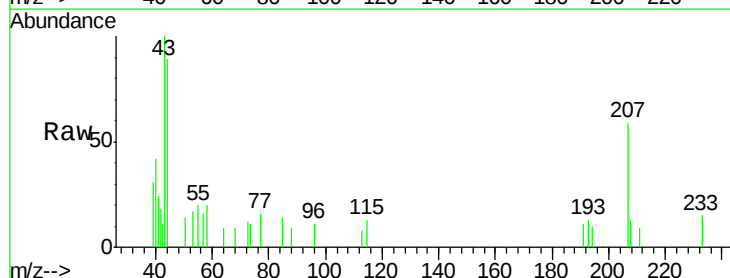
Acq: 21 Jun 2018 20:27

Tgt Ion: 43 Resp: 3090

Ion Ratio Lower Upper

43 100

58 20.4 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

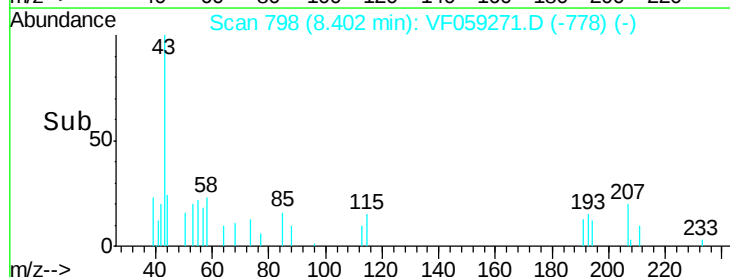
8.40

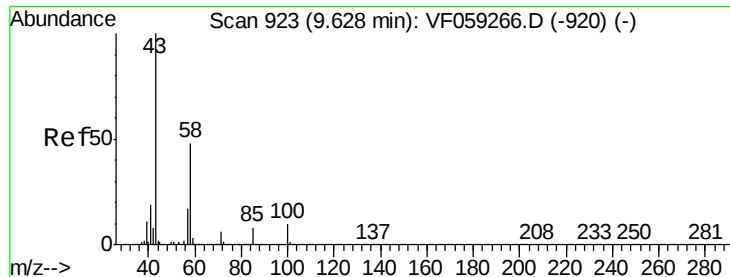
1000

500

0

Time-->

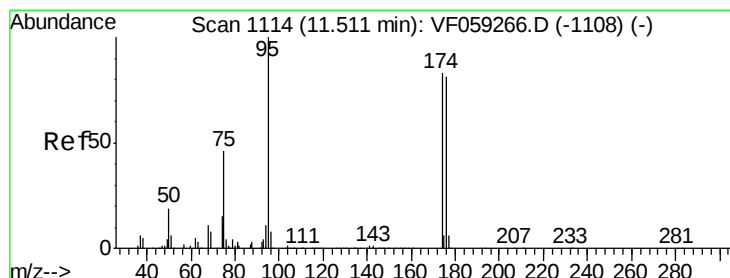
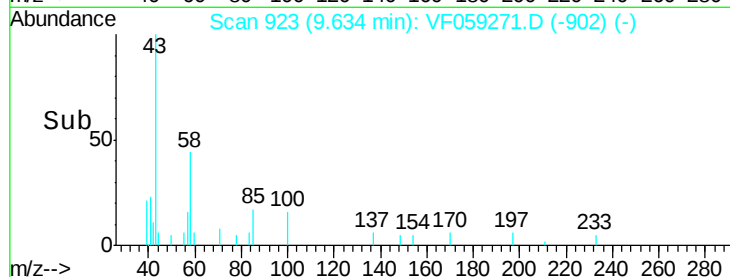
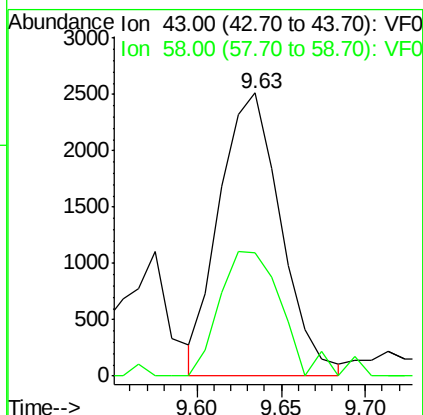
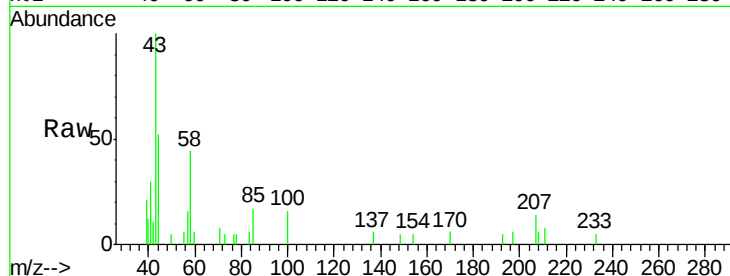




#59
2-Hexanone
Concen: 3.38 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

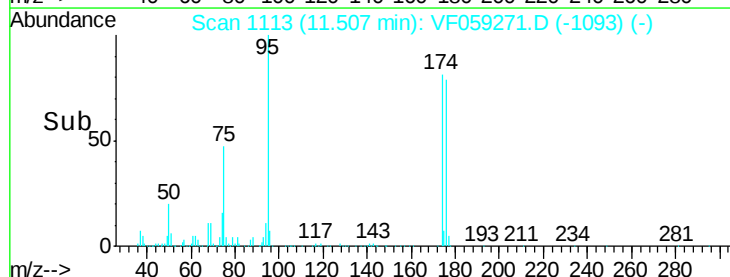
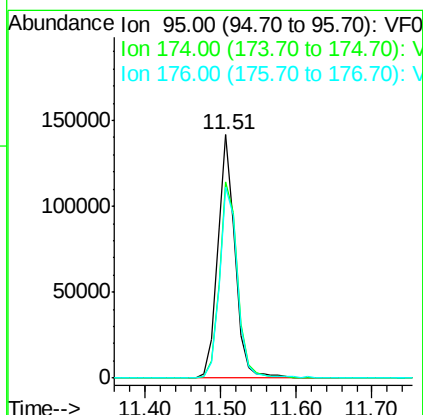
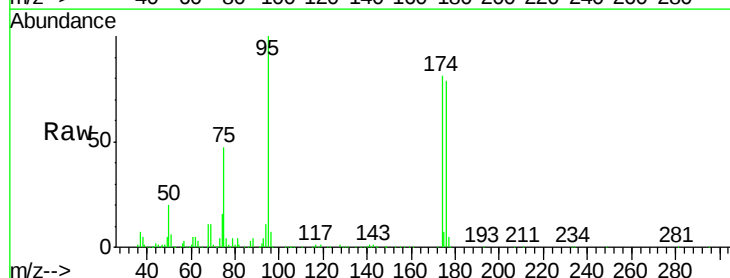
Instrument :
MSVOA_F
ClientSampled :

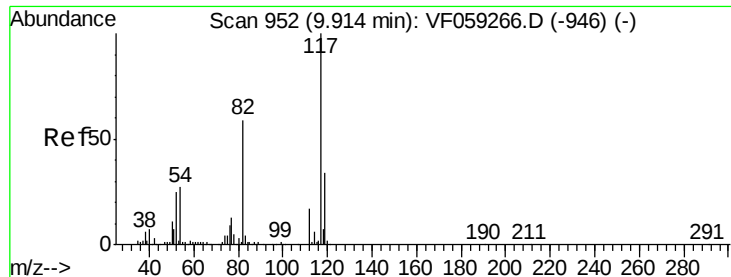
Tot Ion: 43 Resp: 6363
Ion Ratio Lower Upper
43 100
58 43.8 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 47.65 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Tgt Ion: 95 Resp: 229167
Ion Ratio Lower Upper
95 100
174 80.7 0.0 166.2
176 78.6 0.0 162.8

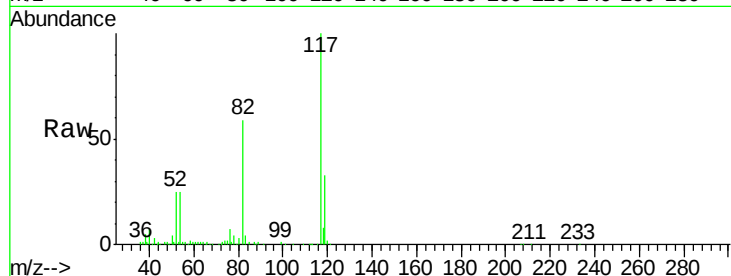




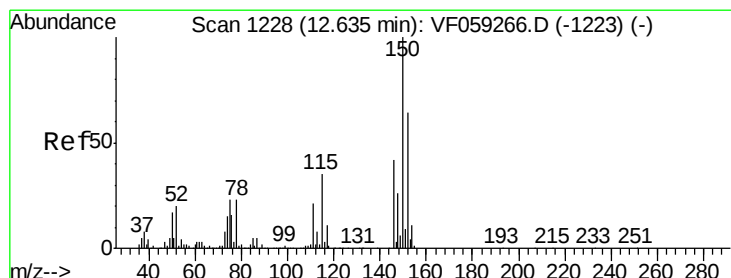
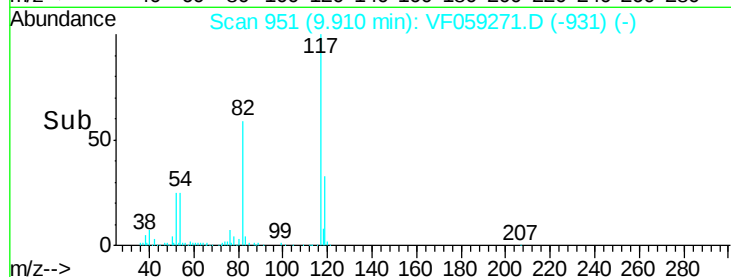
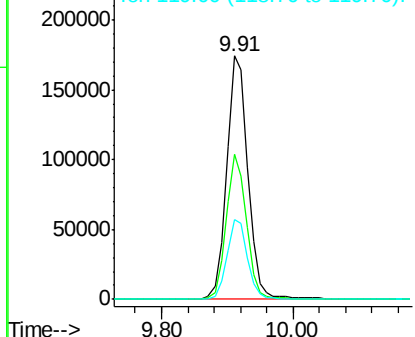
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.1	70.7
119	32.6	26.9	40.3

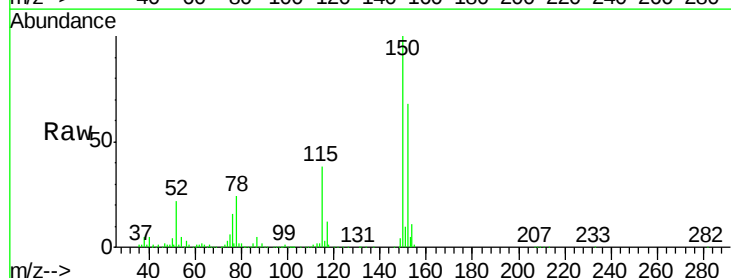


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

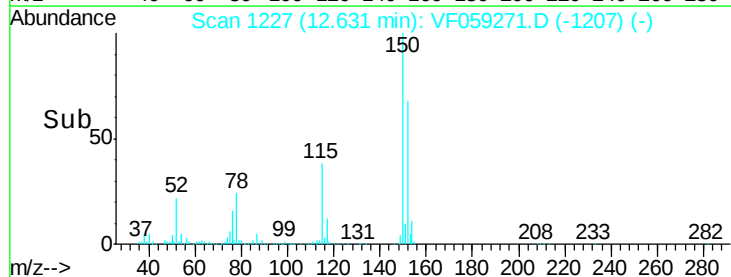
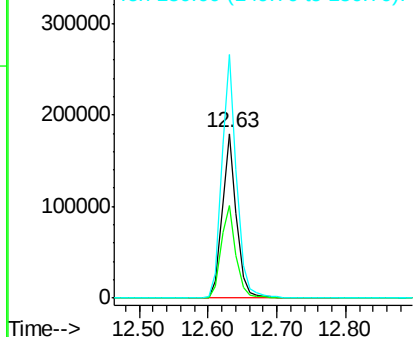


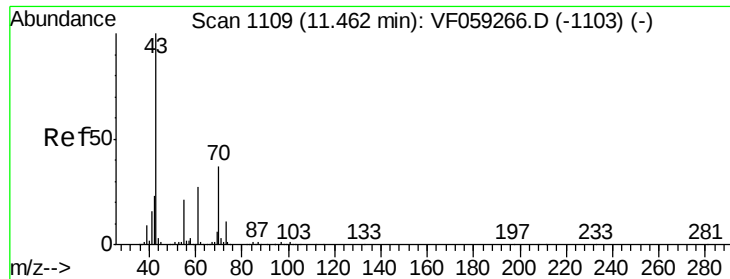
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059271.D
Acq: 21 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.3
150	148.0	0.0	313.8



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





#74

N-amvl acetate

Concen: 1.01 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

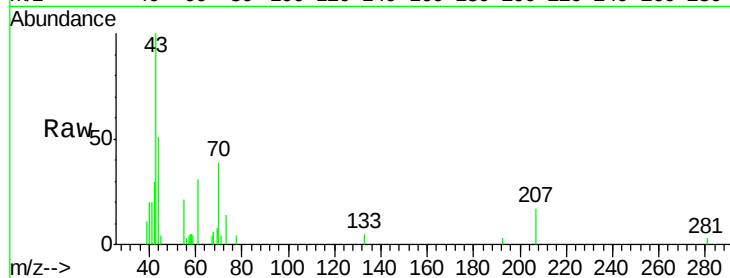
Lab File: VF059271.D

Acq: 21 Jun 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :



Tot Ion: 43 Resp: 5868

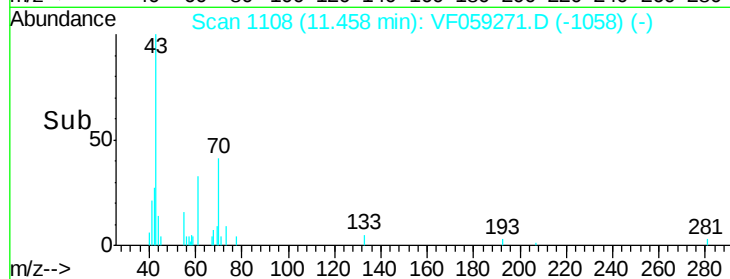
Ion Ratio Lower Upper

43 100

70 39.1 29.6 44.4

55 21.5 17.0 25.4

61 31.2 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

