

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059585.D
 Acq On : 20 Jul 2018 5:09
 Operator : VA/AP
 Sample : J4062-37
 Misc : 9.46g/5mL/MSVOA F/SOIL
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 07:11:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

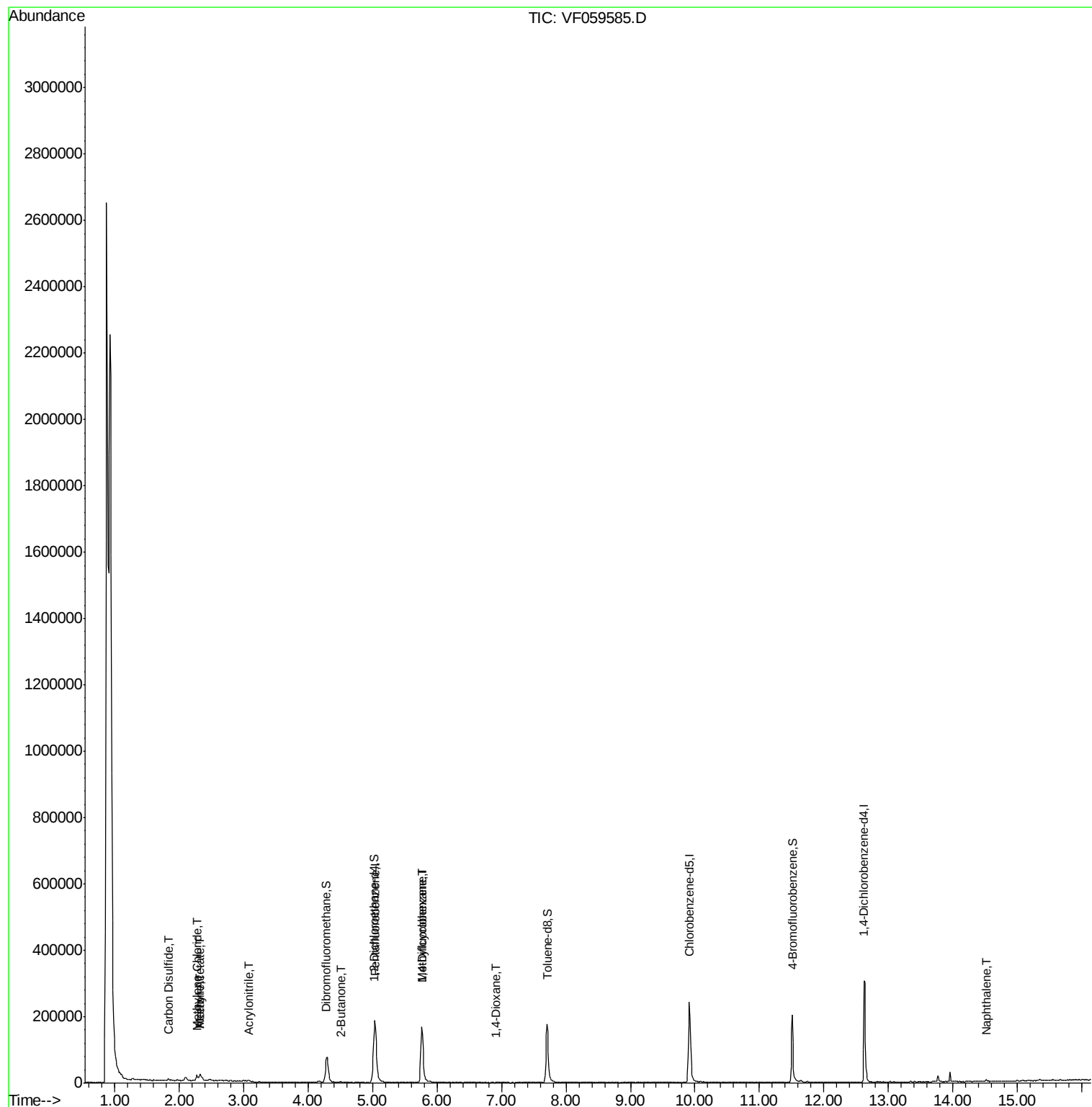
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	132930	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	186688	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	171381	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	88014	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	82211	39.77	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	79.54%	
35) Dibromofluoromethane	4.29	113	74198	45.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.78%	
50) Toluene-d8	7.71	98	154404	37.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.82%	
62) 4-Bromofluorobenzene	11.51	95	74255	34.75	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.50%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.68	59	284	Below Cal	#	74
13) Acrolein	2.00	56	86	Below Cal		98
15) Acrylonitrile	3.06	53	309	1.781	ug/l #	13
16) Acetone	2.32	43	38207	108.087	ug/l #	92
17) Carbon Disulfide	1.83	76	4554	1.788	ug/l #	89
18) Methyl Acetate	2.32	43	37107	59.326	ug/l #	67
20) Methylene Chloride	2.27	84	6840	3.028	ug/l	96
25) 2-Butanone	4.50	43	5360	11.167	ug/l	96
29) Tetrahydrofuran	4.25	42	274	Below Cal	#	38
37) Ethyl Acetate	4.30	43	290	Below Cal	#	91
39) Methylcyclohexane	5.76	83	2827	1.993	ug/l #	30
49) 1,4-Dioxane	6.90	88	156	17.849	ug/l #	15
95) Naphthalene	14.52	128	3311	1.027	ug/l	100

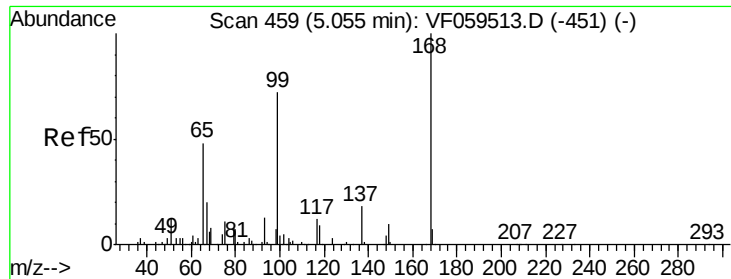
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
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Quant Time: Jul 20 07:11:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

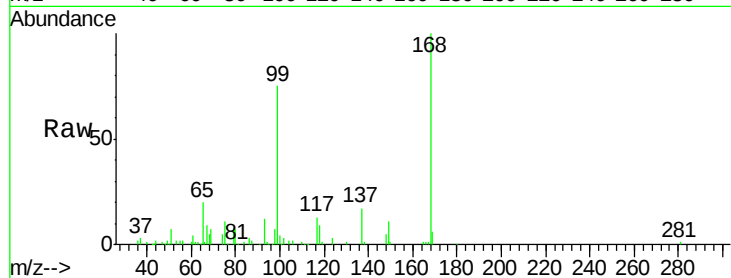
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 132930

Ion Ratio Lower Upper

168 100

99 75.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

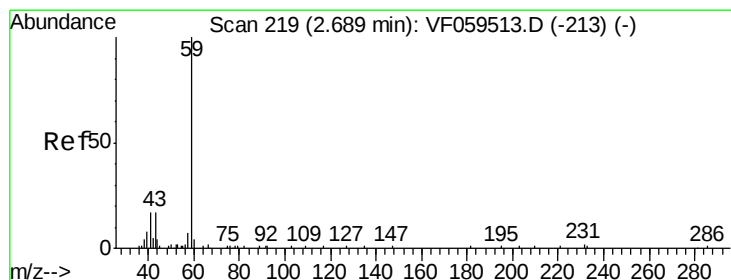
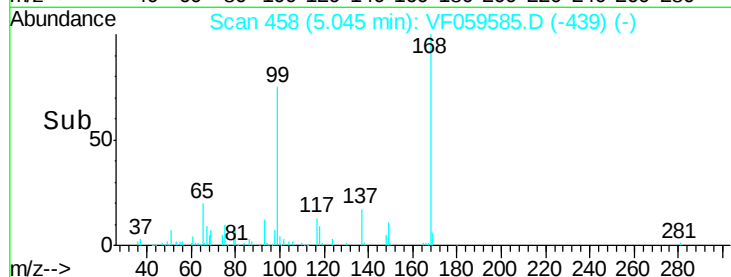
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.68 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF059585.D

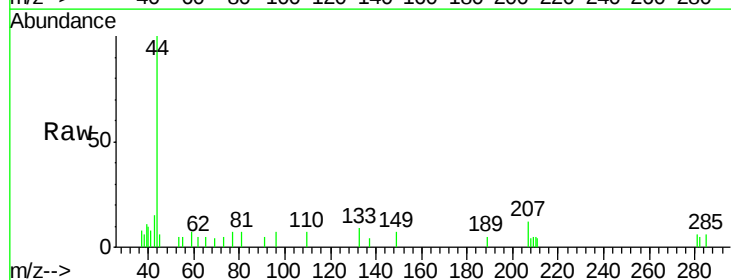
Acq: 20 Jul 2018 5:09

Tgt Ion: 59 Resp: 284

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

250

200

150

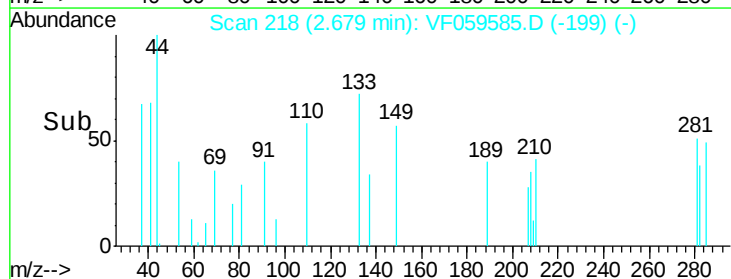
100

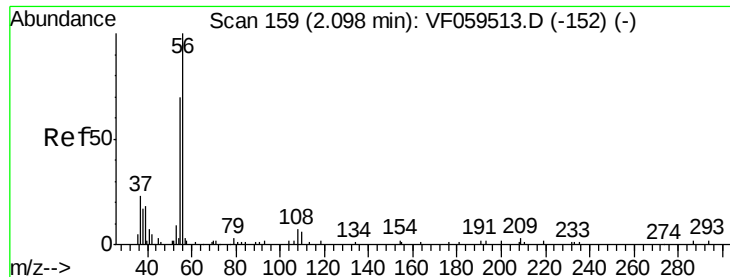
50

0

2.66 2.68 2.70 2.72

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.00 min Scan# 149

Delta R.T. -0.10 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

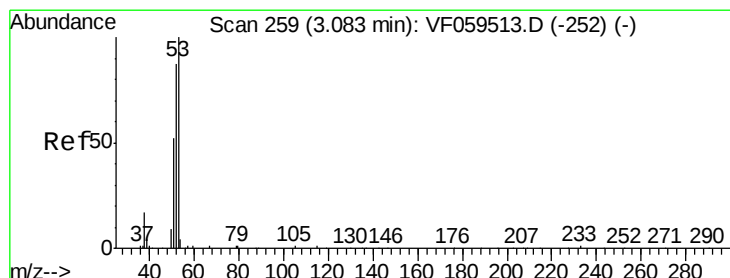
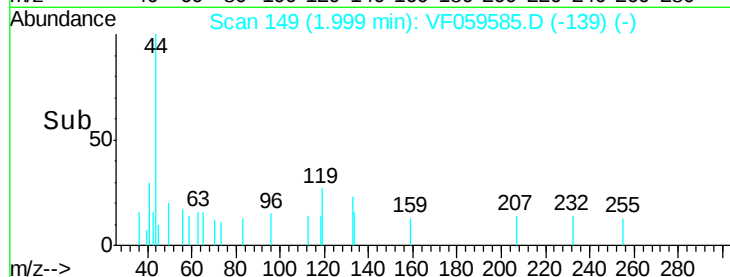
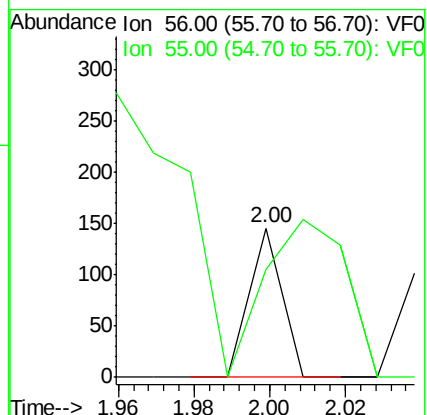
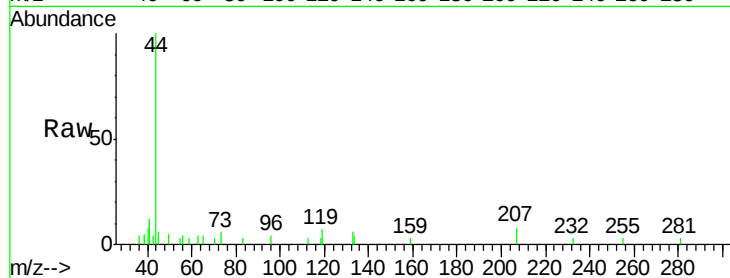
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 72.4 59.4 89.2



#15

Acrylonitrile

Concen: 1.781 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

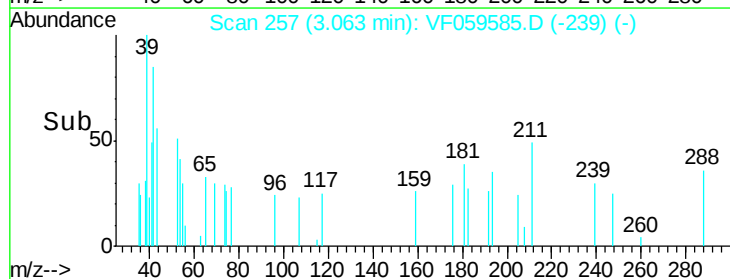
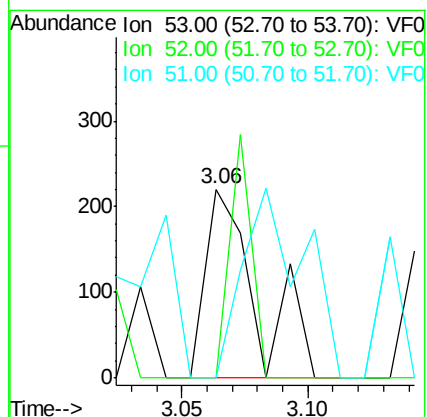
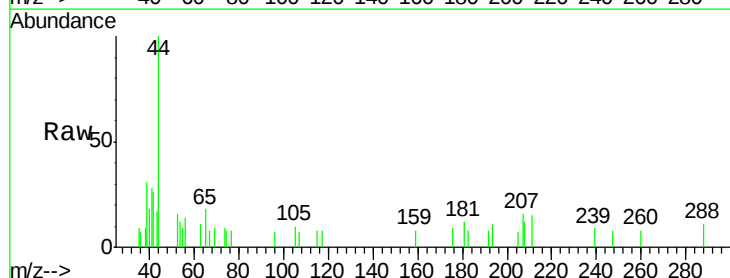
Tgt Ion: 53 Resp: 309

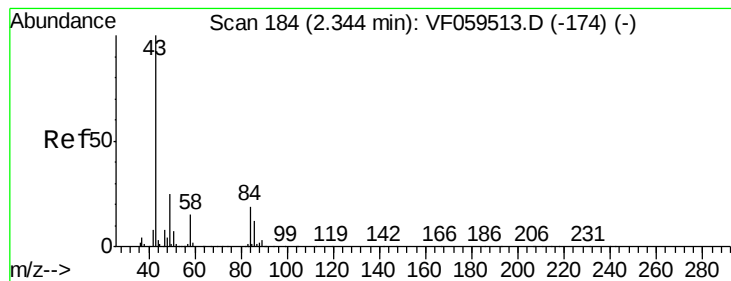
Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 0.0 42.5 63.7#





#16

Acetone

Concen: 108.087 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

Instrument :

MSVOA_F

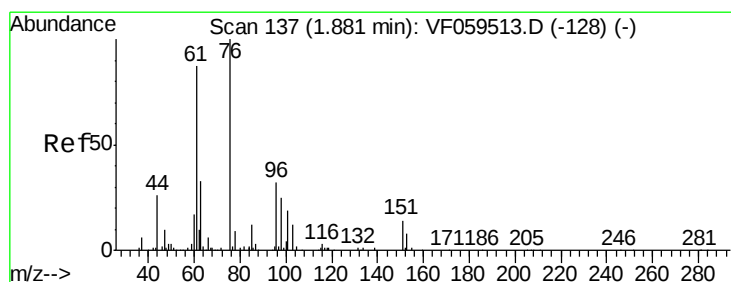
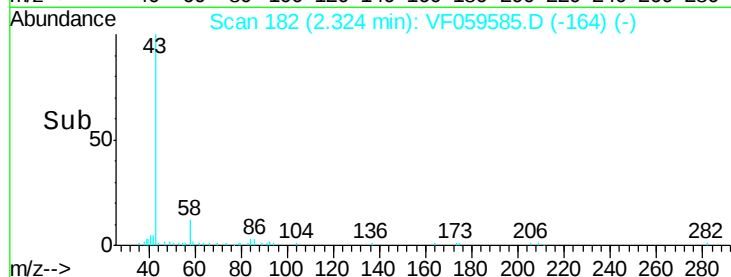
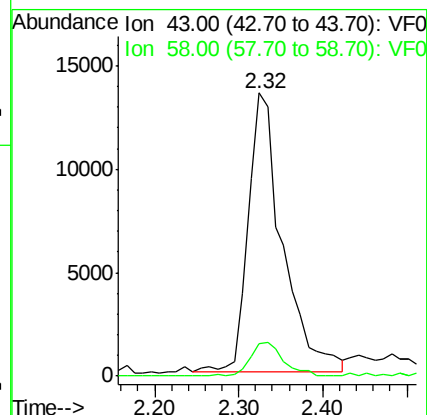
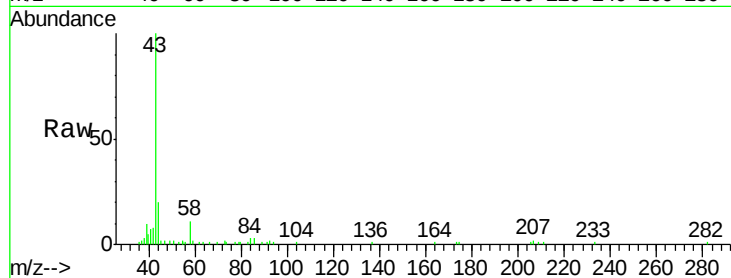
ClientSampleId :

Tot Ion: 43 Resp: 38207

Ion Ratio Lower Upper

43 100

58 11.5 11.8 17.6#



#17

Carbon Disulfide

Concen: 1.788 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059585.D

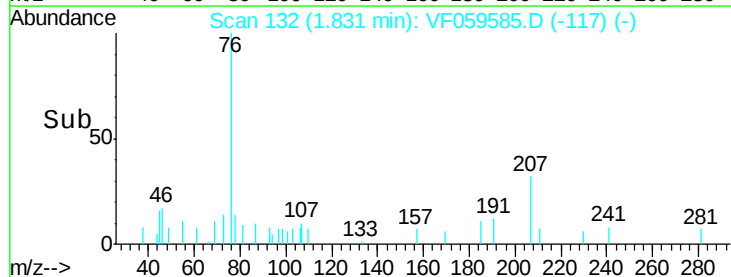
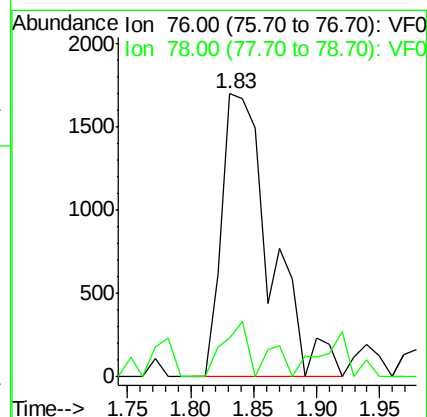
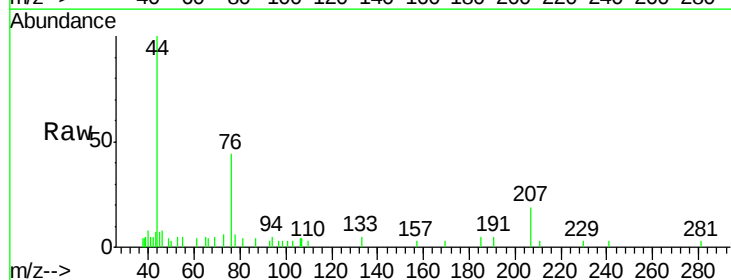
Acq: 20 Jul 2018 5:09

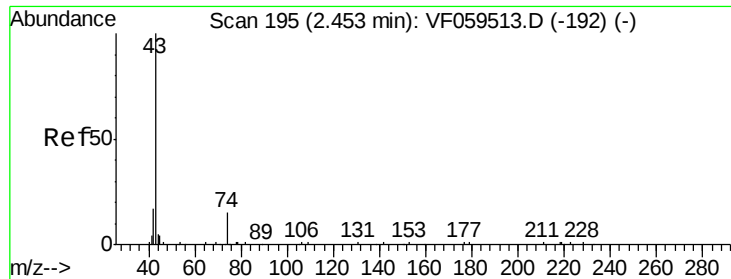
Tgt Ion: 76 Resp: 4554

Ion Ratio Lower Upper

76 100

78 13.7 7.8 11.6#

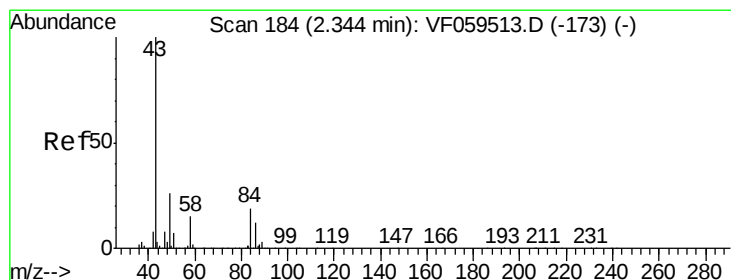
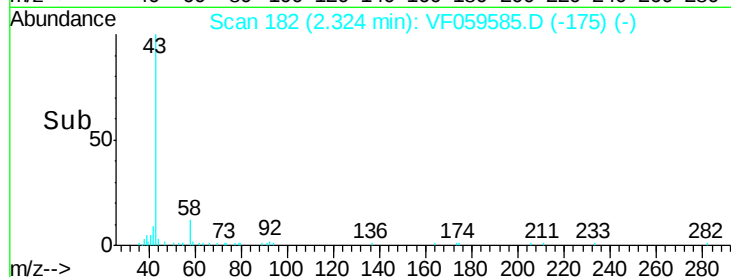
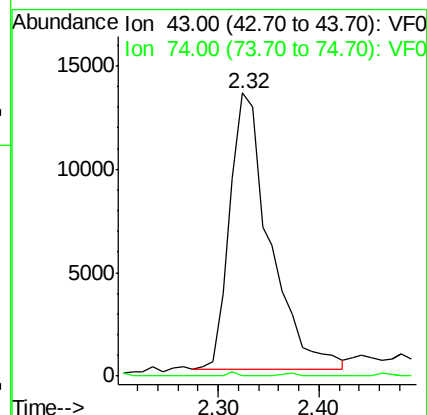
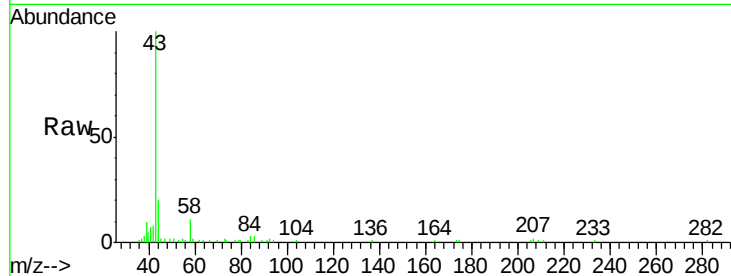




#18
Methyl Acetate
Concen: 59.326 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.13 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

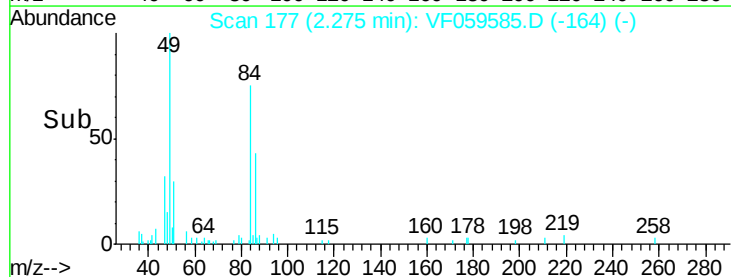
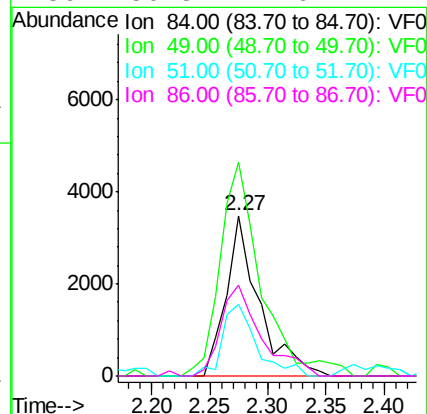
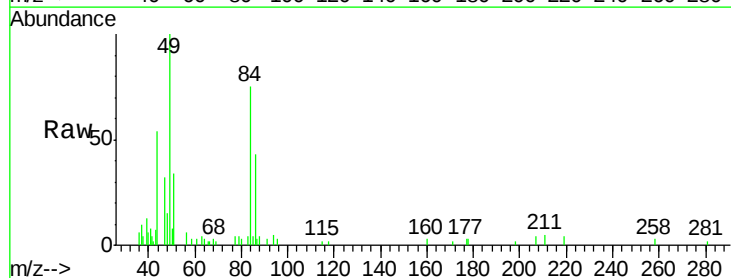
Instrument :
MSVOA_F
ClientSampled :

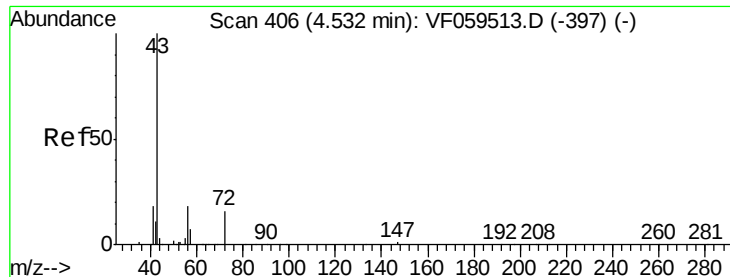
Tot Ion: 43 Resp: 37107
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: 3.028 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

Tgt Ion: 84 Resp: 6840
Ion Ratio Lower Upper
84 100
49 133.3 109.4 164.2
51 44.7 30.5 45.7
86 56.8 47.6 71.4





#25

2-Butanone

Concen: 11.167 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

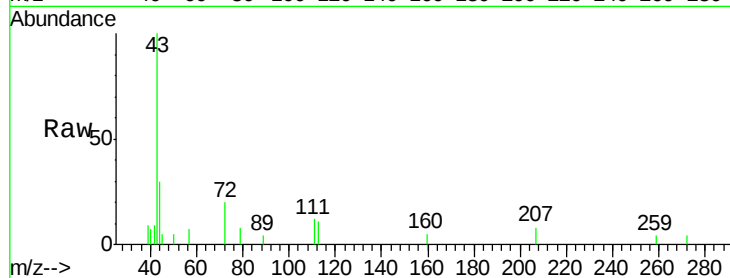
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 5360

Ion Ratio Lower Upper

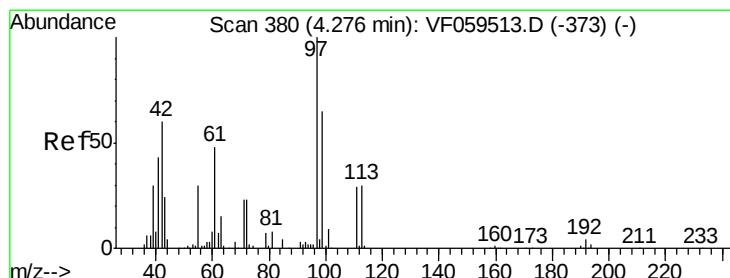
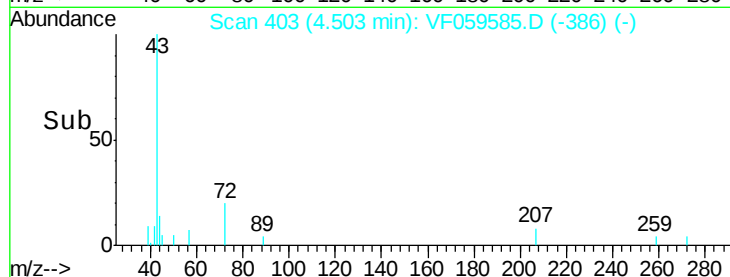
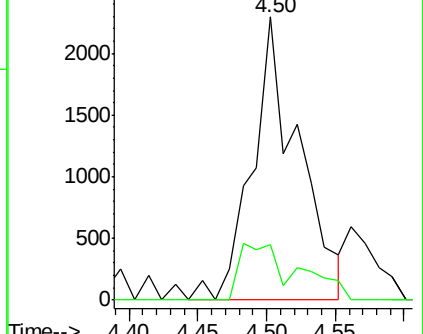
43 100

72 19.7 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

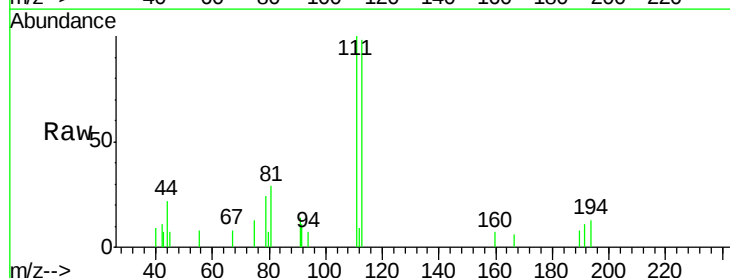
Tgt Ion: 42 Resp: 274

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

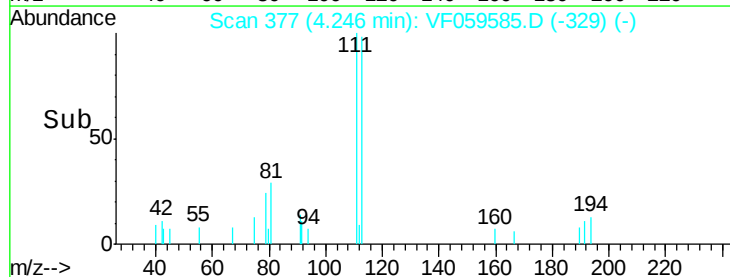
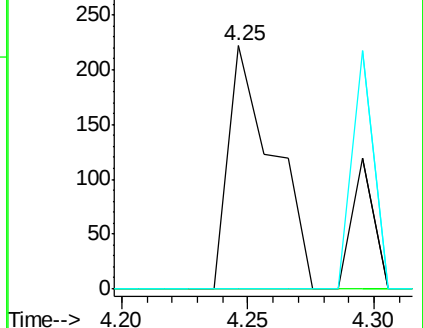
71 0.0 30.8 46.2#

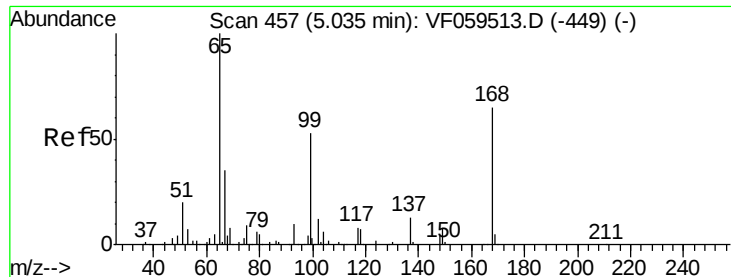


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 39.766 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

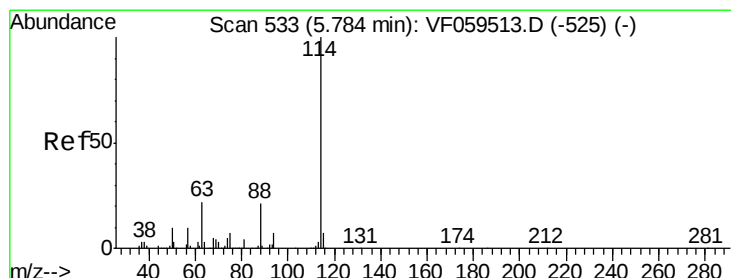
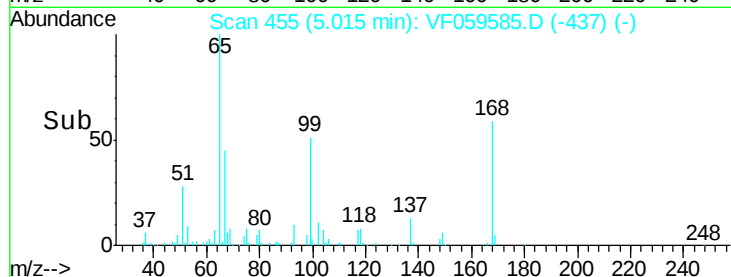
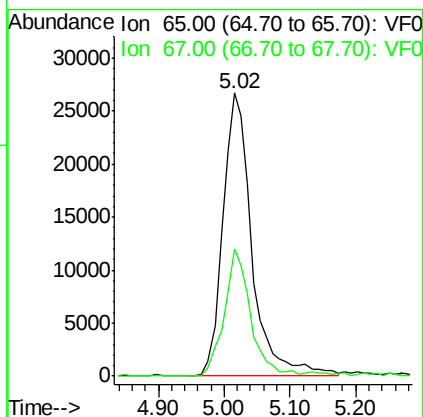
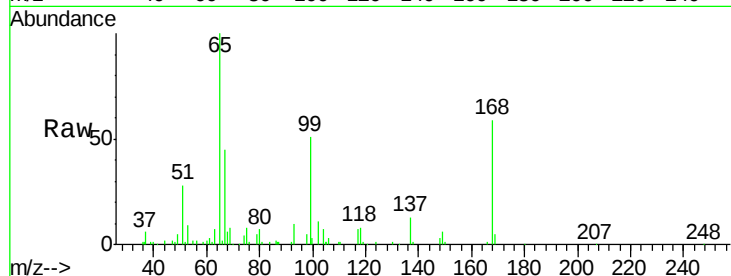
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 82211

Ion Ratio Lower Upper

65 100

67 45.1 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

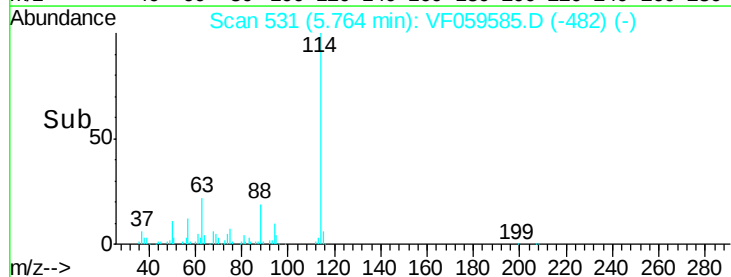
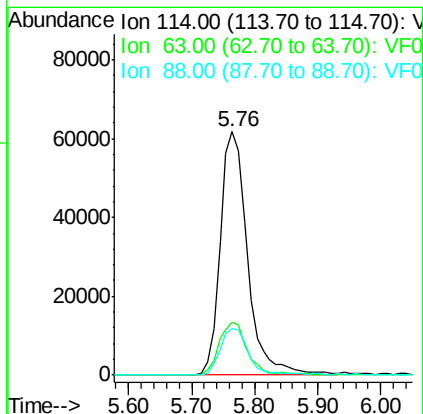
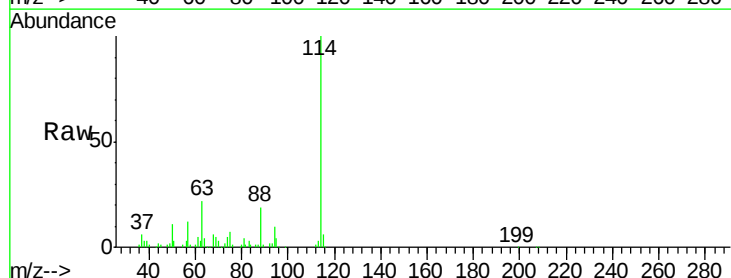
Tgt Ion: 114 Resp: 186688

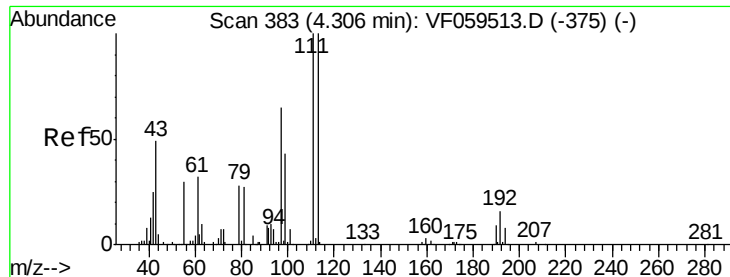
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.8

88 18.9 0.0 42.6

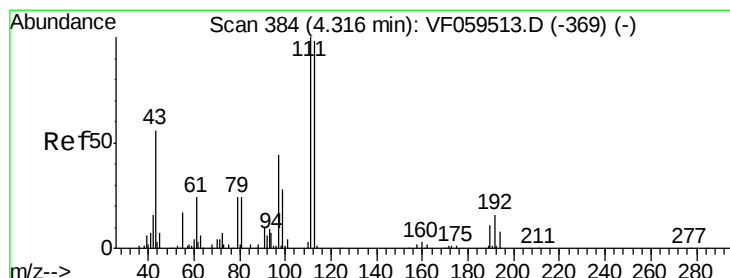
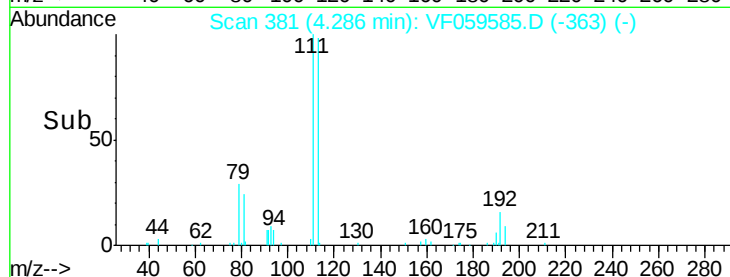
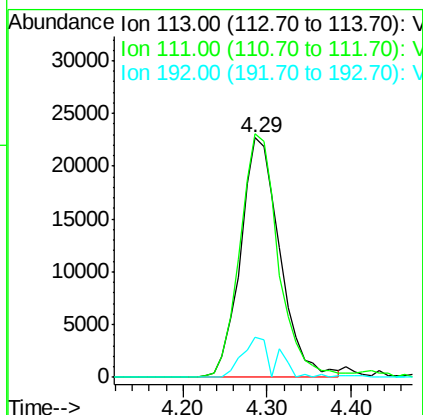
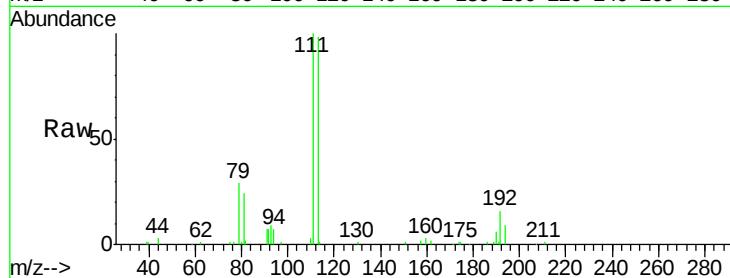




#35
Dibromofluoromethane
Concen: 45.890 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

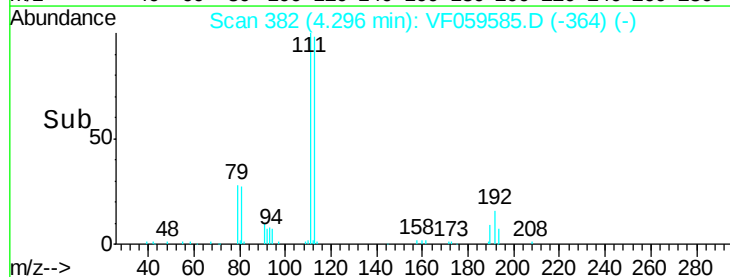
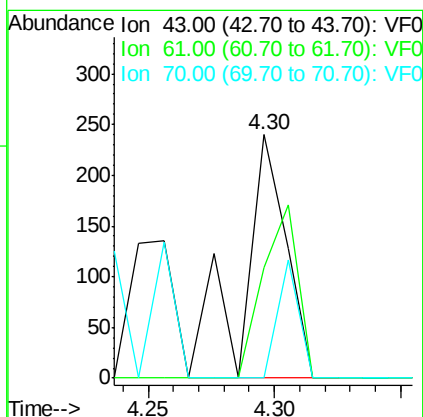
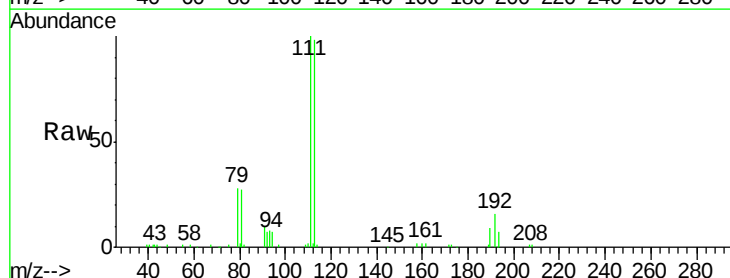
Instrument :
MSVOA_F
ClientSampleId :

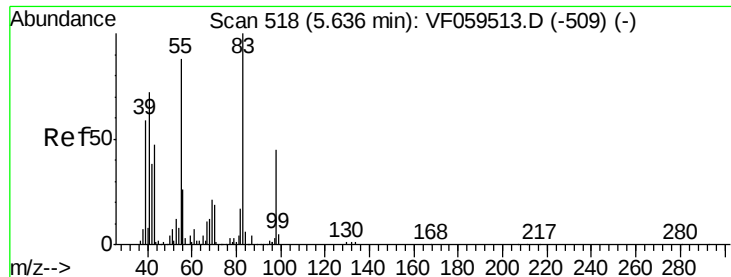
Tot Ion:113 Resp: 74198
Ion Ratio Lower Upper
113 100
111 101.6 80.3 120.5
192 16.6 13.1 19.7



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
61 45.4 33.7 50.5
70 0.0 7.4 11.0#

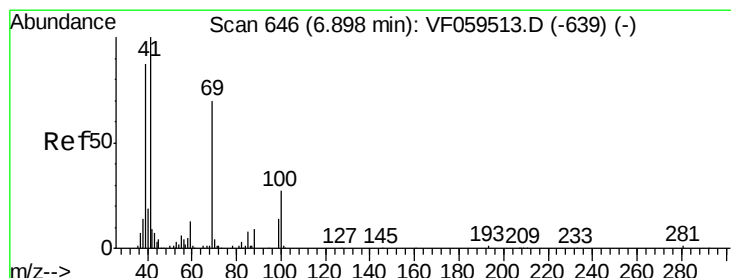
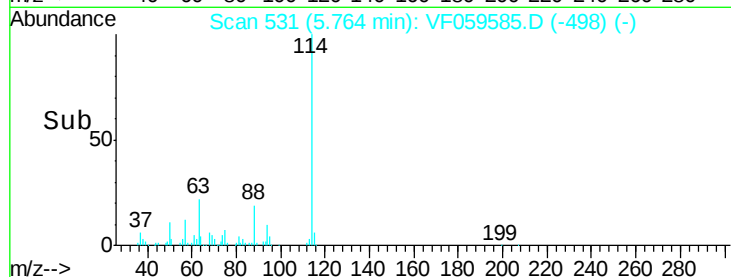
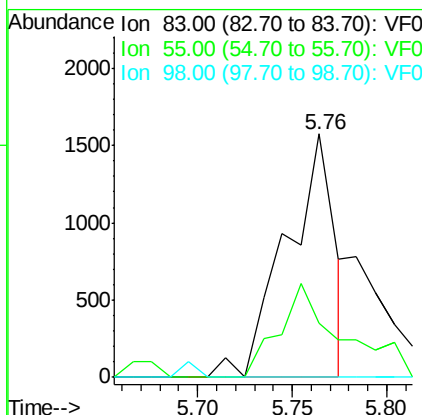
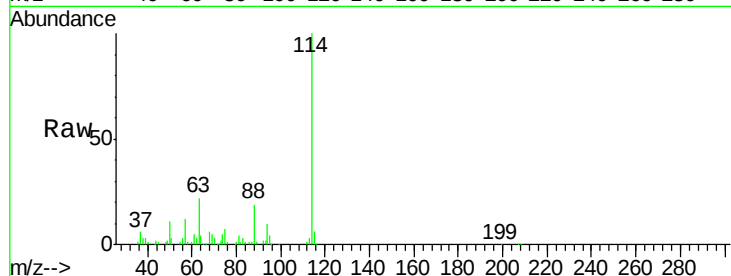




#39
Methylcyclohexane
Concen: 1.993 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

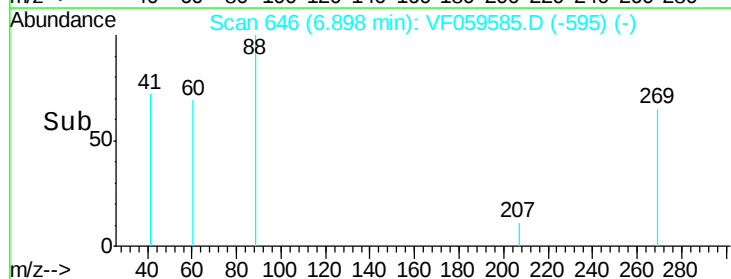
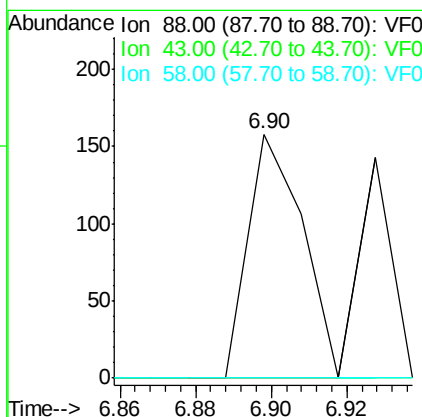
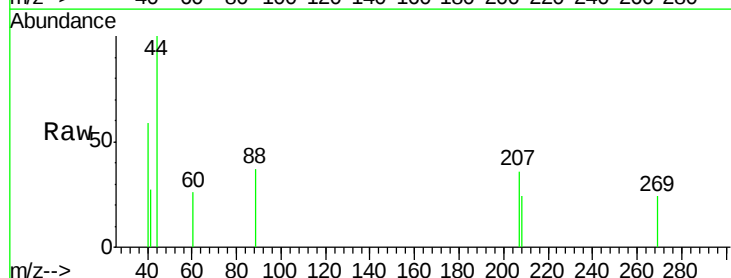
Instrument :
MSVOA_F
ClientSampled :

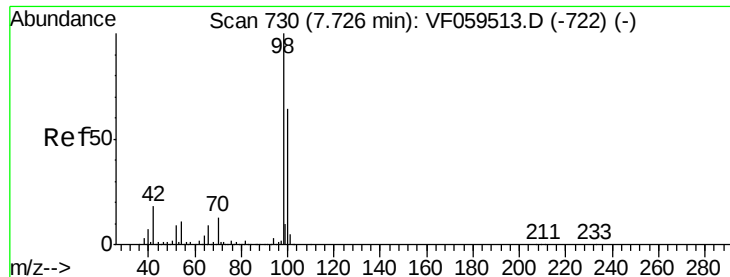
Tot Ion	Ratio	Lower	Upper
83	100		
55	22.5	70.2	105.4#
98	0.0	36.2	54.2#



#49
1,4-Dioxane
Concen: 17.849 ug/l
RT: 6.90 min Scan# 646
Delta R.T. -0.00 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	64.8	97.2#
58	0.0	44.1	66.1#

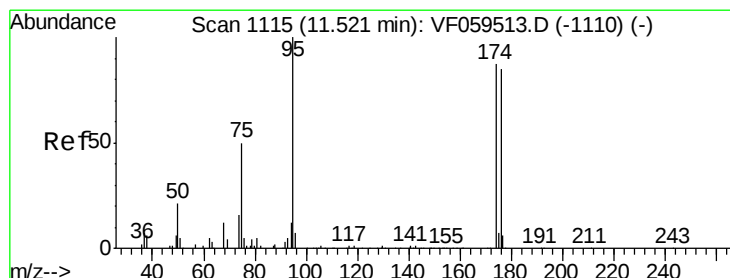
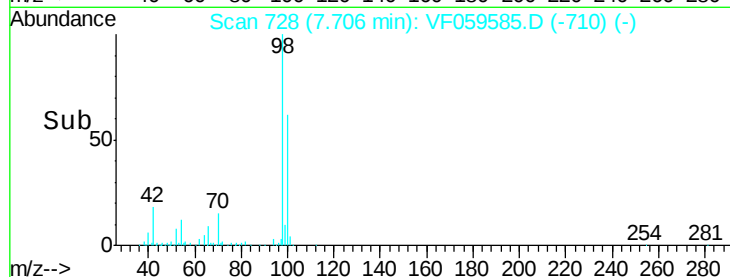
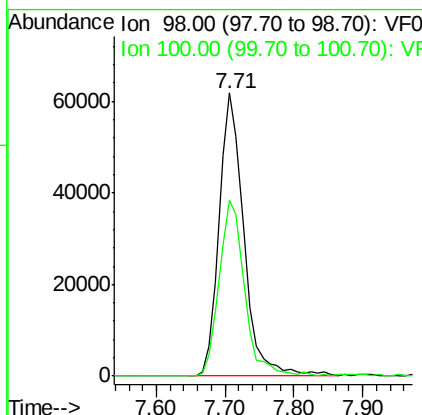
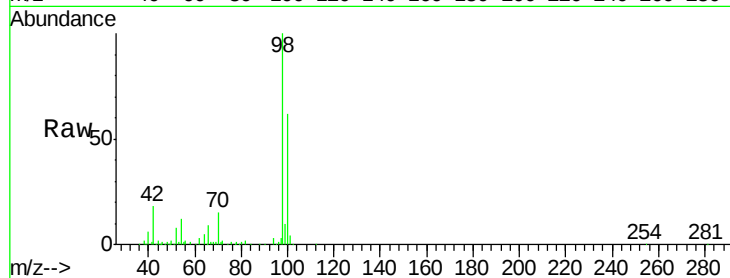




#50
Toluene-d8
Concen: 37.911 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

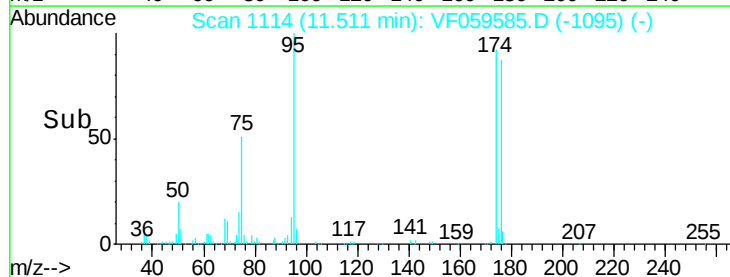
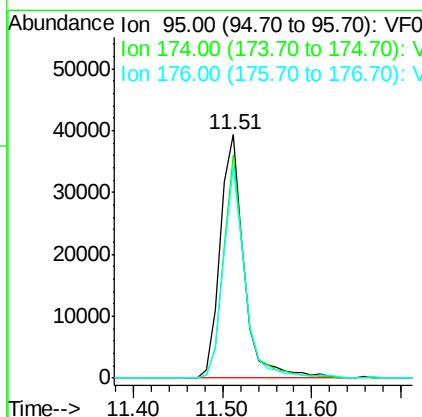
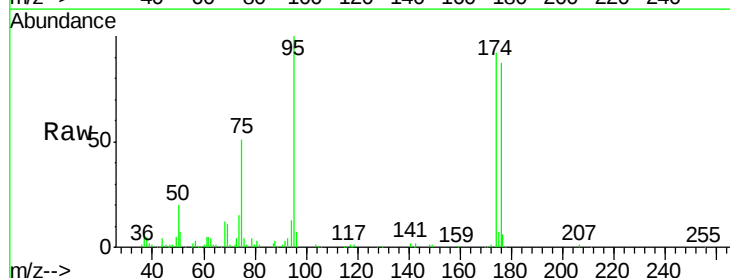
Instrument :
MSVOA_F
ClientSampleId :

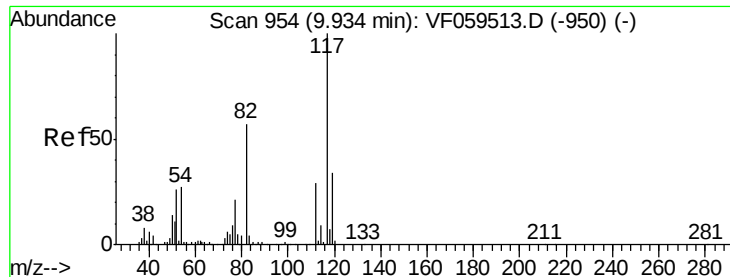
Tot Ion: 98 Resp: 154404
Ion Ratio Lower Upper
98 100
100 62.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 34.754 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

Tgt Ion: 95 Resp: 74255
Ion Ratio Lower Upper
95 100
174 91.5 0.0 174.4
176 87.0 0.0 169.4

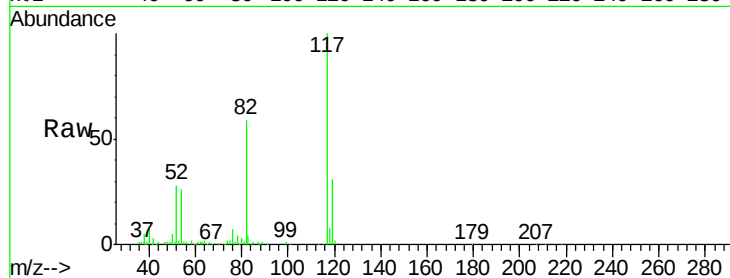




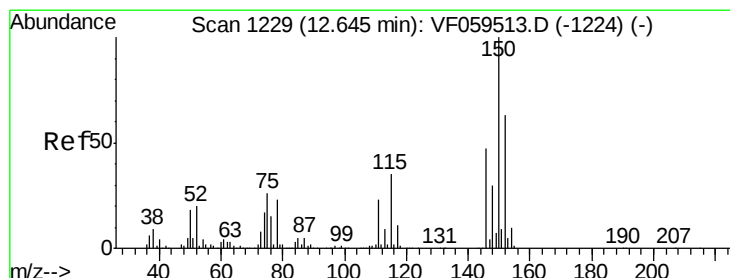
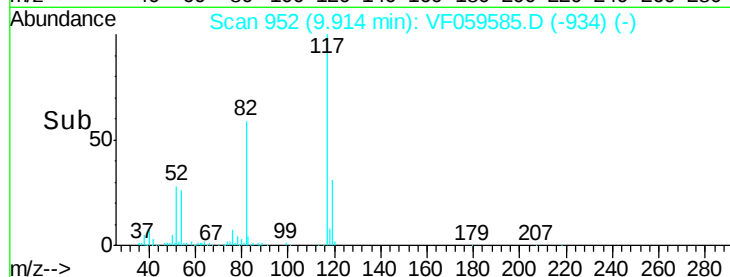
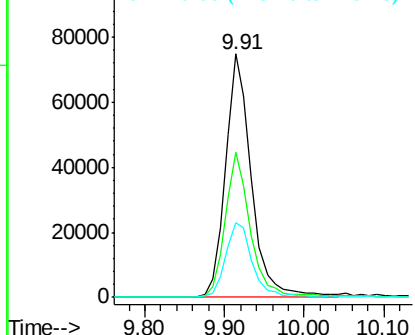
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 171381
Ion Ratio Lower Upper
117 100
82 59.4 46.1 69.1
119 30.6 27.2 40.8

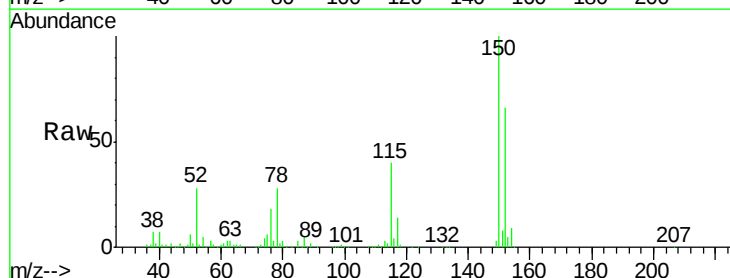


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

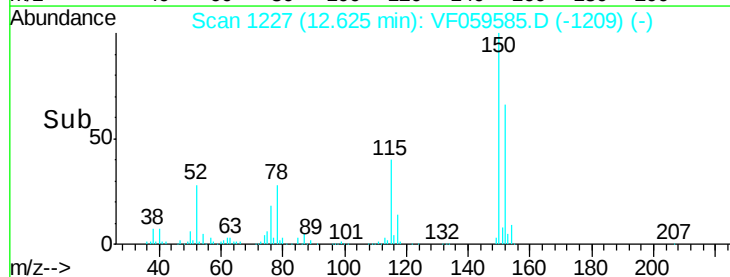
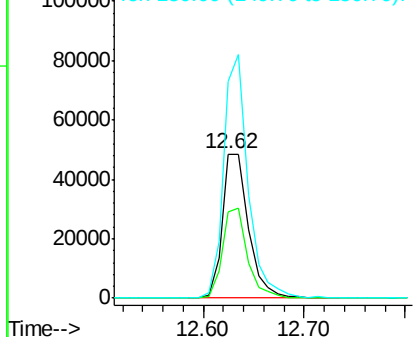


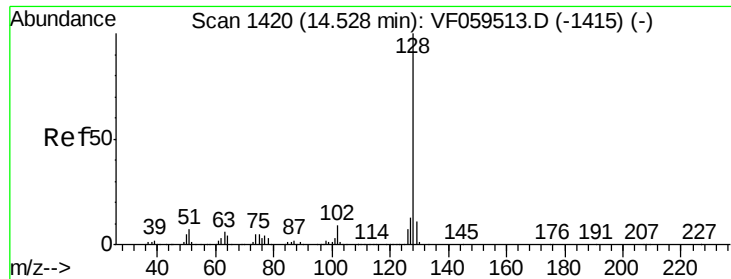
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059585.D
Acq: 20 Jul 2018 5:09

Tgt Ion:152 Resp: 88014
Ion Ratio Lower Upper
152 100
115 59.7 27.8 83.3
150 150.4 0.0 318.4



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

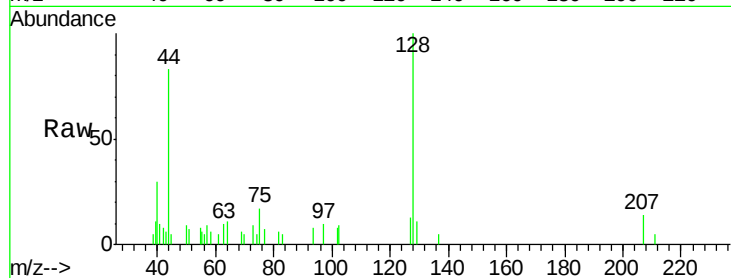




#95
 Naphthalene
 Concen: 1.027 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF059585.D
 Acq: 20 Jul 2018 5:09

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	9.0	13.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

