

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059565.D
 Acq On : 19 Jul 2018 20:02
 Operator : VA/AP
 Sample : VF0719SBL02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 04:52:00 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	223825	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	324595	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	338847	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	213829	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	169825	48.79	ug/l	-0.02
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	4.29	113	146533	52.12	ug/l	-0.02
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	7.71	98	328925	46.45	ug/l	-0.02
Spiked Amount			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.51	95	184480	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	

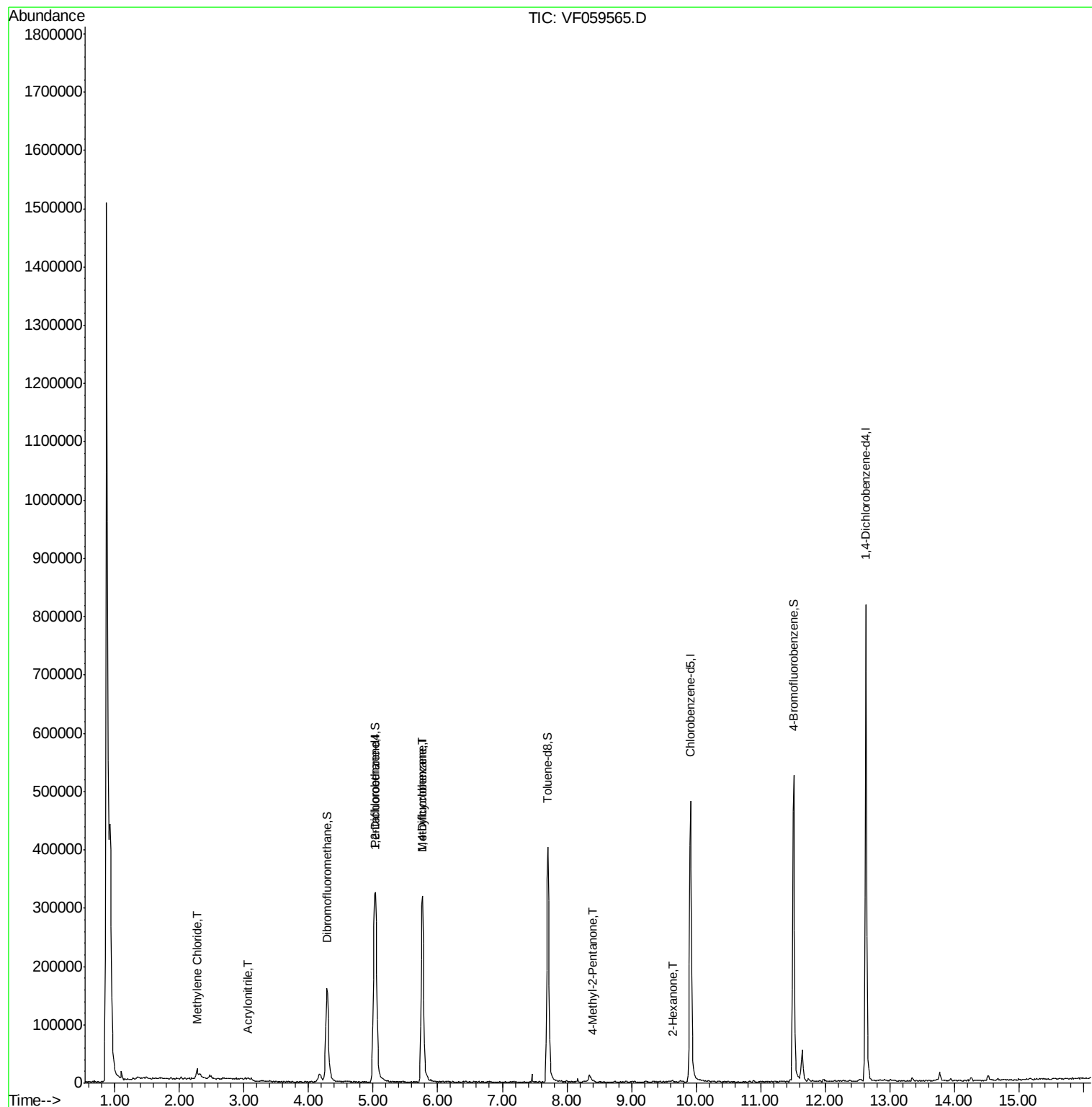
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	271	Below Cal	#	74
13) Acrolein	2.07	56	234	Below Cal	#	10
15) Acrylonitrile	3.07	53	561	1.921	ug/l #	35
16) Acetone	2.33	43	2897	Below Cal		96
18) Methyl Acetate	2.42	43	1686	Below Cal	#	67
20) Methylene Chloride	2.28	84	9426	1.562	ug/l #	93
29) Tetrahydrofuran	4.30	42	61	Below Cal	#	38
37) Ethyl Acetate	4.30	43	98	Below Cal	#	71
39) Methylcyclohexane	5.75	83	4768	1.934	ug/l #	54
49) 1,4-Dioxane	6.76	88	62	Below Cal	#	15
51) 4-Methyl-2-Pentanone	8.41	43	2163	1.307	ug/l	92
59) 2-Hexanone	9.63	43	2664	2.130	ug/l #	41

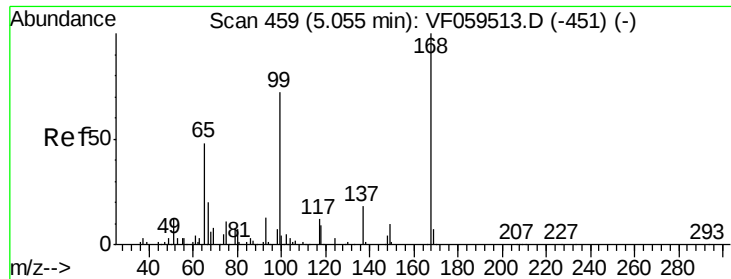
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
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Quant Title : SW846 8260
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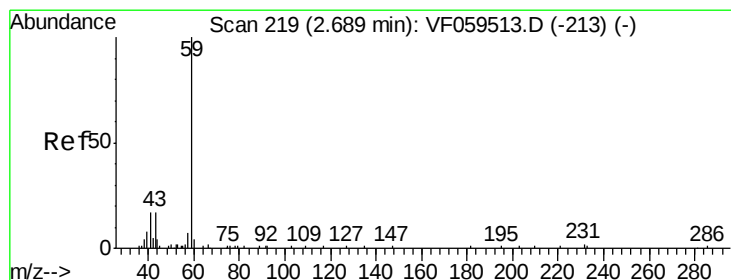
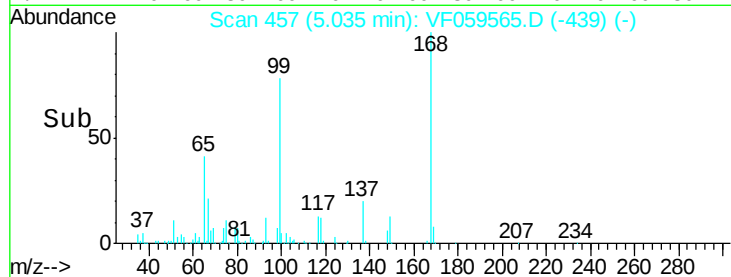
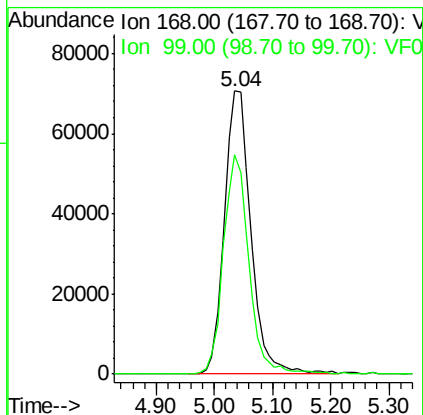
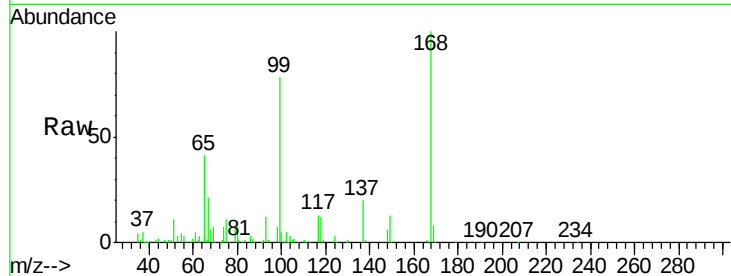


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF059565.D
 Acq: 19 Jul 2018 20:02

Instrument :
 MSVOA_F
 ClientSampleId :

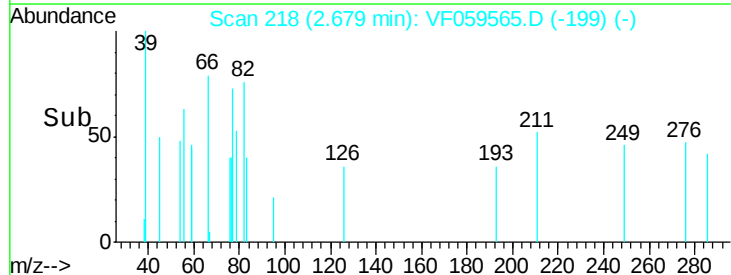
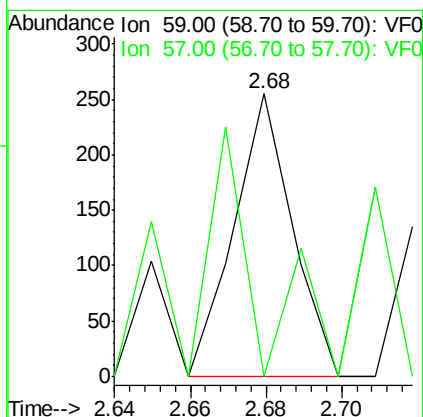
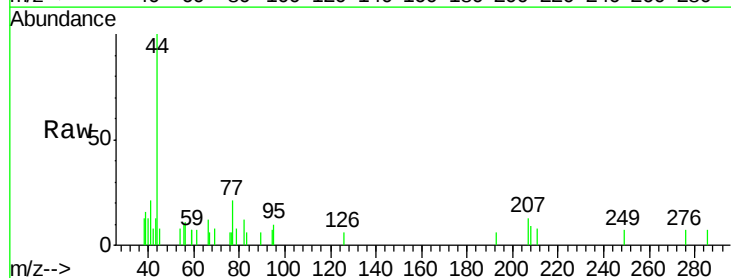
Tot Ion:168 Resp: 223825
 Ion Ratio Lower Upper
 168 100
 99 77.7 57.6 86.4

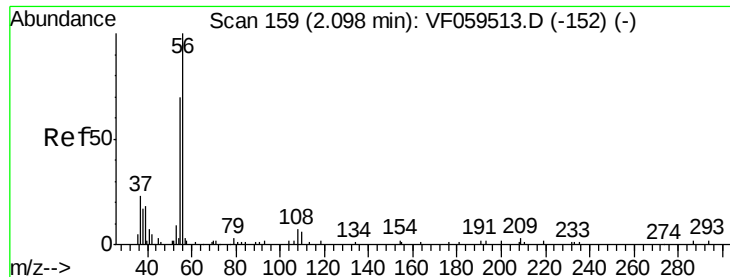


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059565.D
 Acq: 19 Jul 2018 20:02

Tgt Ion: 59 Resp: 271
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

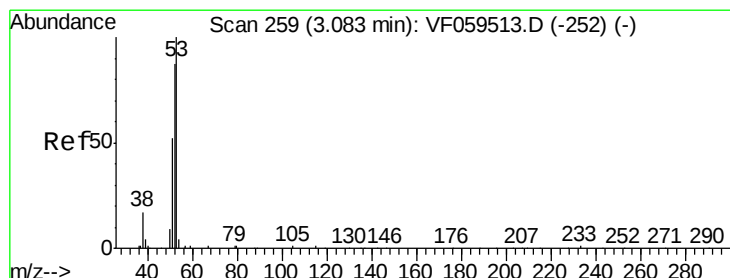
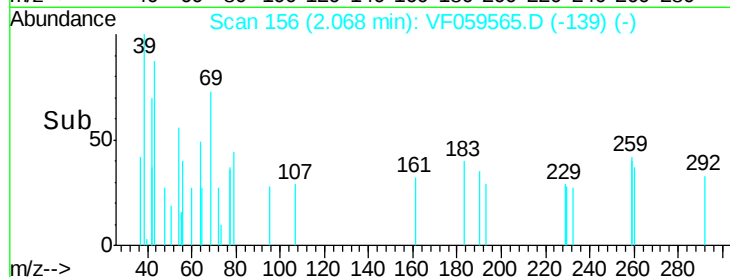
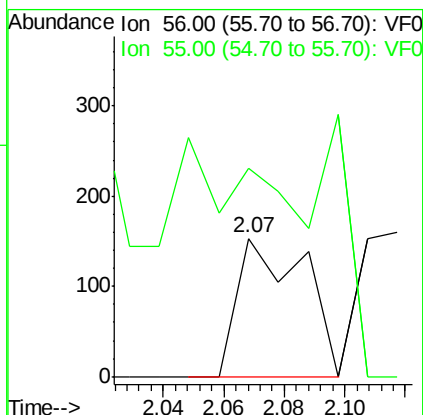
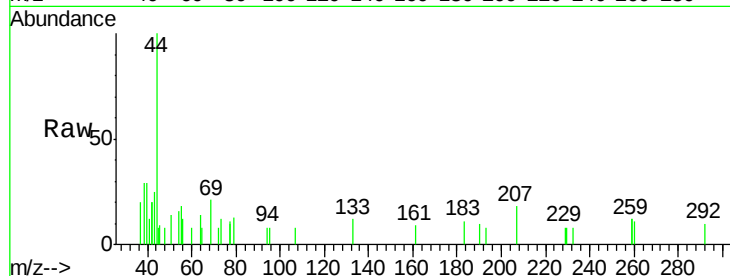




#13
Acrolein
Concen: Below Cal
RT: 2.07 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF059565.D
Acq: 19 Jul 2018 20:02

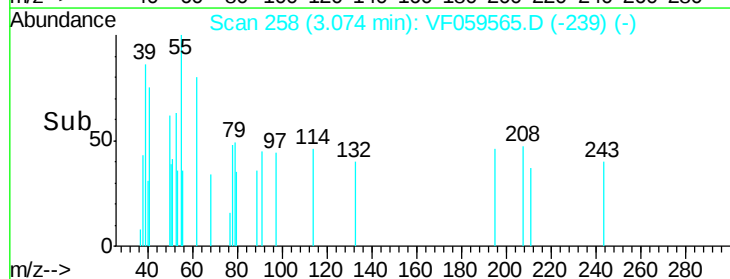
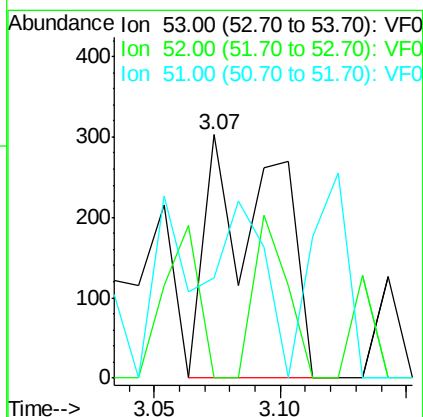
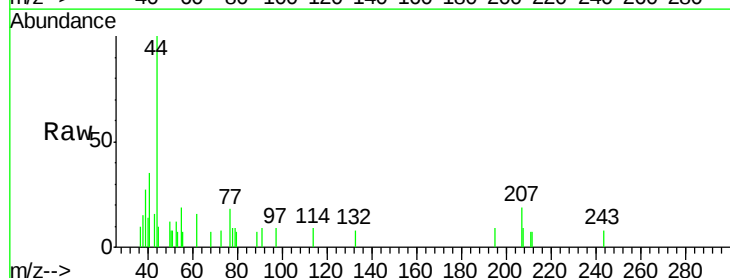
Instrument :
MSVOA_F
ClientSampled :

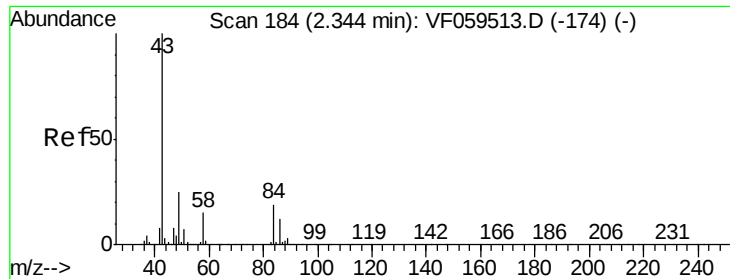
Tot Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 151.0 59.4 89.2#



#15
Acrylonitrile
Concen: 1.921 ug/l
RT: 3.07 min Scan# 258
Delta R.T. -0.01 min
Lab File: VF059565.D
Acq: 19 Jul 2018 20:02

Tgt Ion: 53 Resp: 561
Ion Ratio Lower Upper
53 100
52 0.0 70.1 105.1#
51 41.3 42.5 63.7#





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059565.D

Acq: 19 Jul 2018 20:02

Instrument :

MSVOA_F

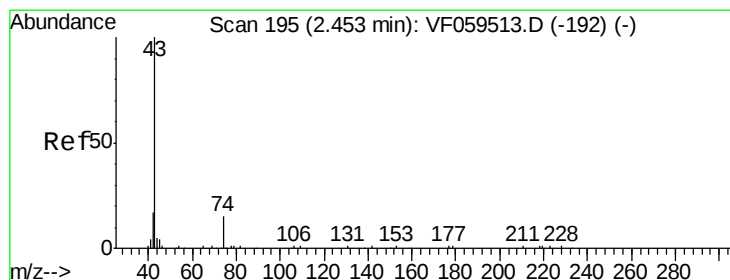
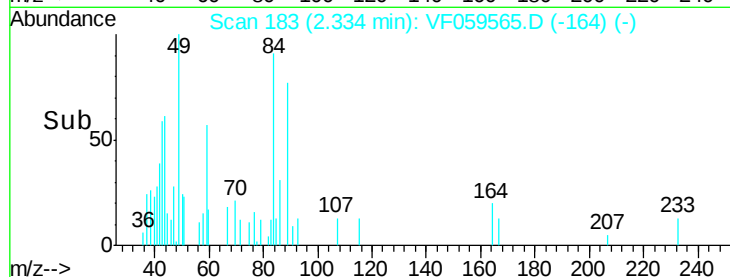
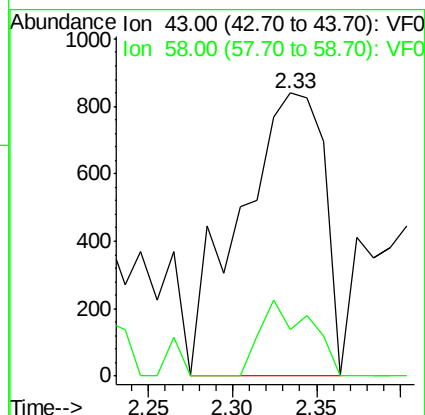
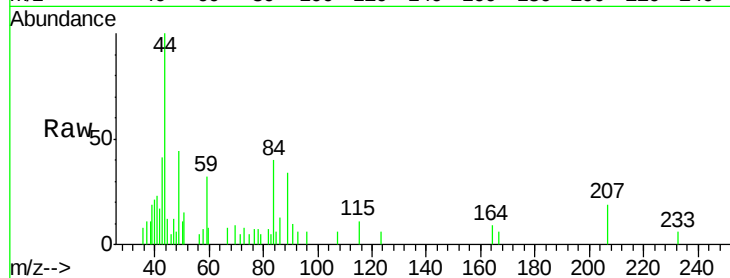
ClientSampleId :

Tot Ion: 43 Resp: 2897

Ion Ratio Lower Upper

43 100

58 16.4 11.8 17.6



#18

Methyl Acetate

Concen: Below Cal

RT: 2.42 min Scan# 192

Delta R.T. -0.03 min

Lab File: VF059565.D

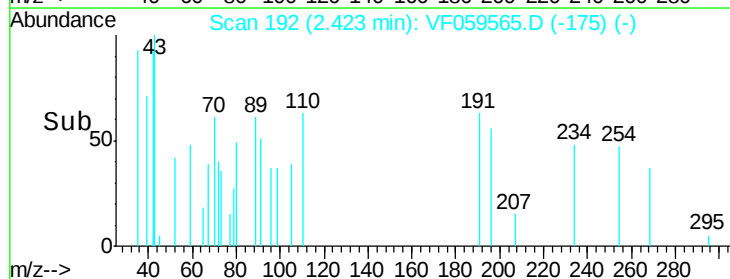
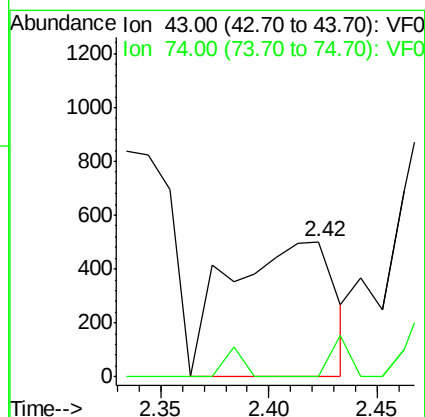
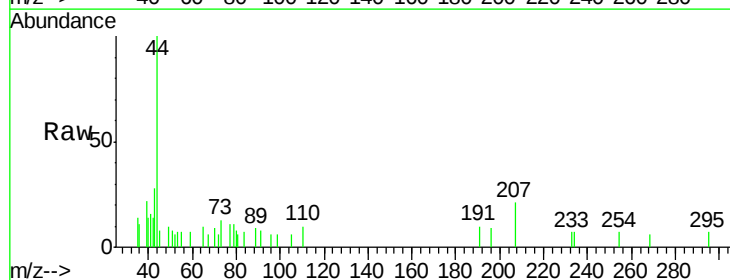
Acq: 19 Jul 2018 20:02

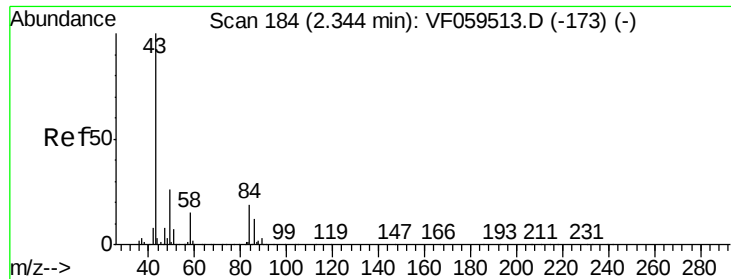
Tgt Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

74 0.0 10.6 15.8#

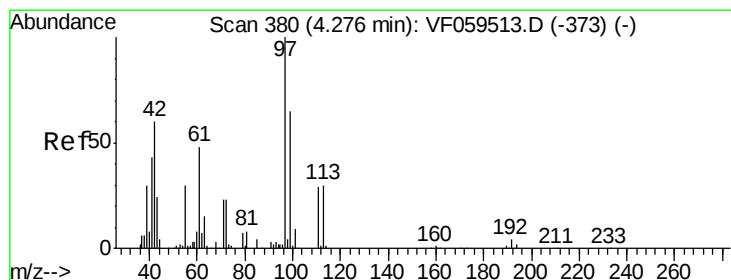
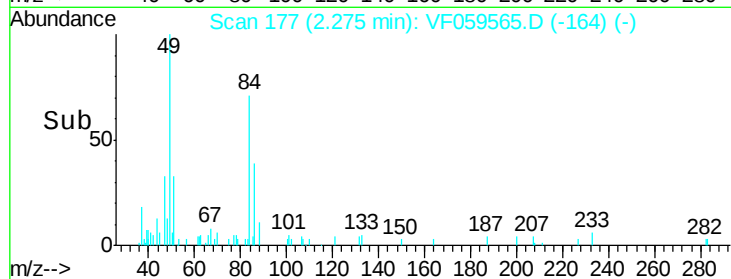
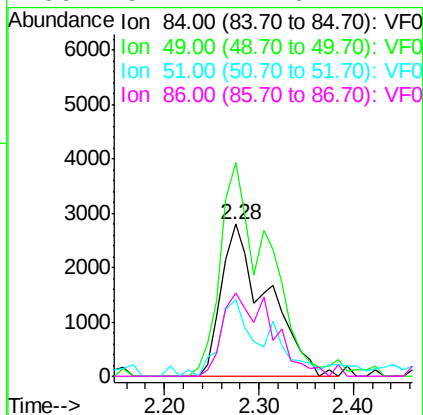
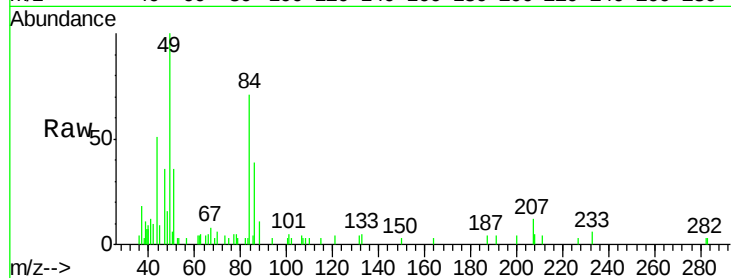




#20
Methvlene Chloride
Concen: 1.562 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059565.D
Acq: 19 Jul 2018 20:02

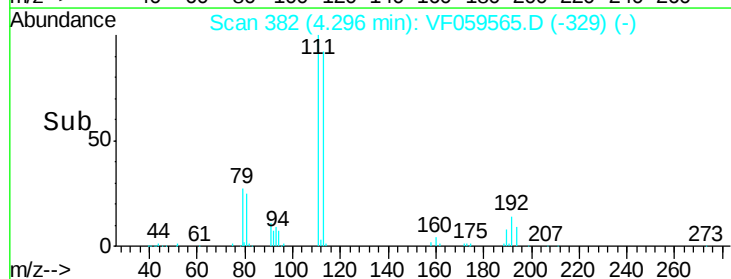
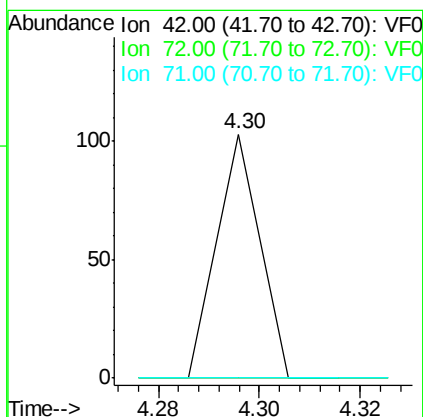
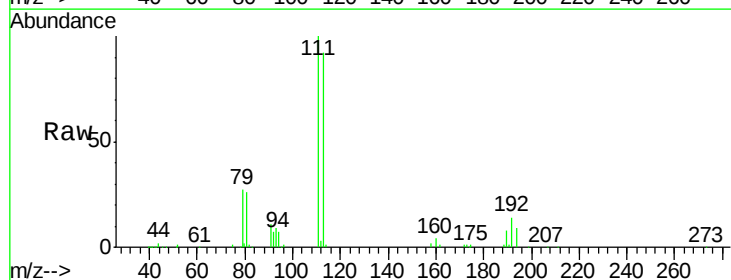
Instrument :
MSVOA_F
ClientSampleId :

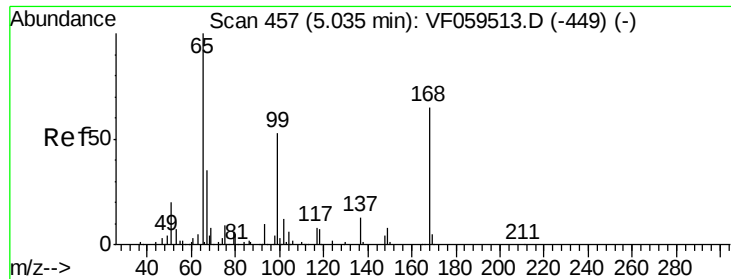
Tot Ion	Ratio	Lower	Upper
84	100		
49	140.5	109.4	164.2
51	50.6	30.5	45.7#
86	54.4	47.6	71.4



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF059565.D
Acq: 19 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	30.8	46.2#





#33

1,2-Dichloroethane-d4

Concen: 48.786 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059565.D

Acq: 19 Jul 2018 20:02

Instrument :

MSVOA_F

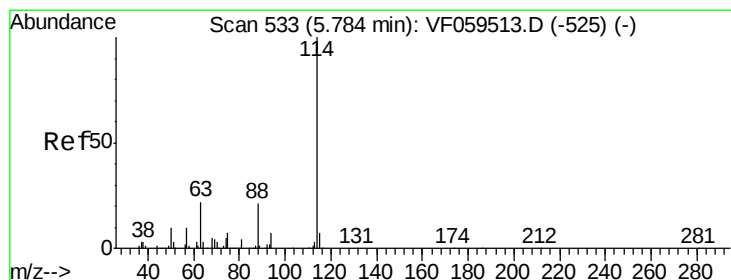
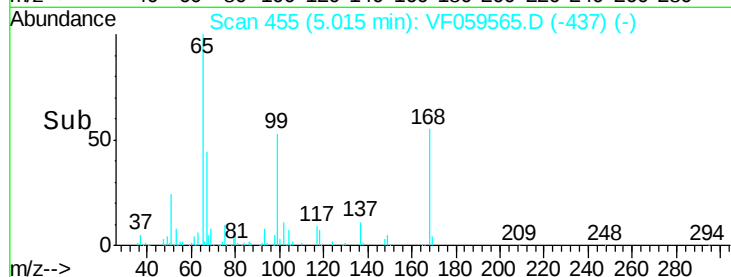
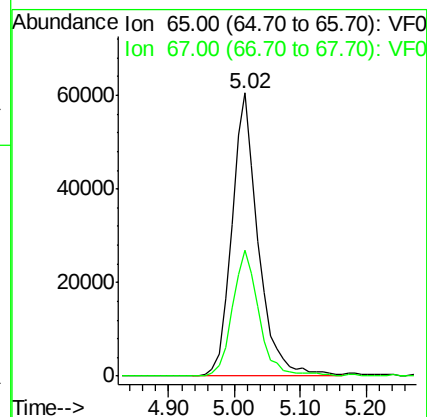
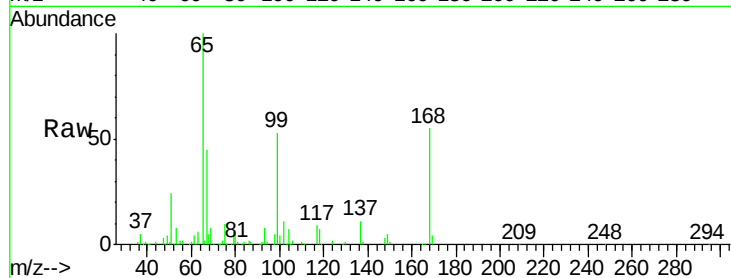
ClientSampleId :

Tot Ion: 65 Resp: 169825

Ion Ratio Lower Upper

65 100

67 44.5 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: VF059565.D

Acq: 19 Jul 2018 20:02

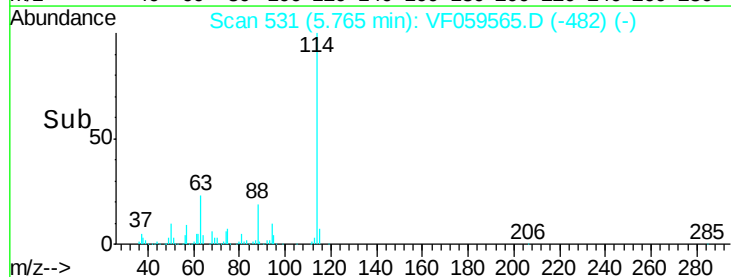
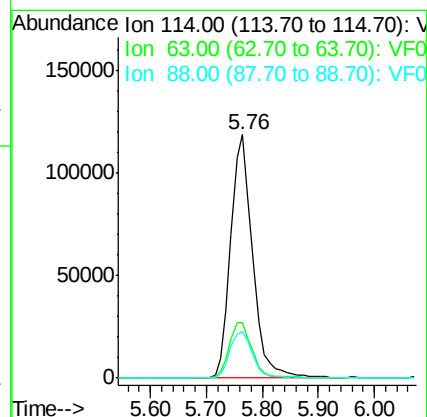
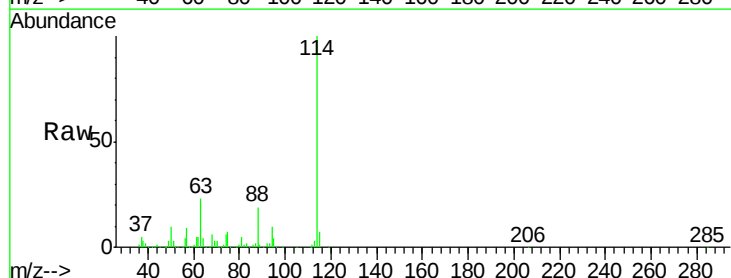
Tgt Ion: 114 Resp: 324595

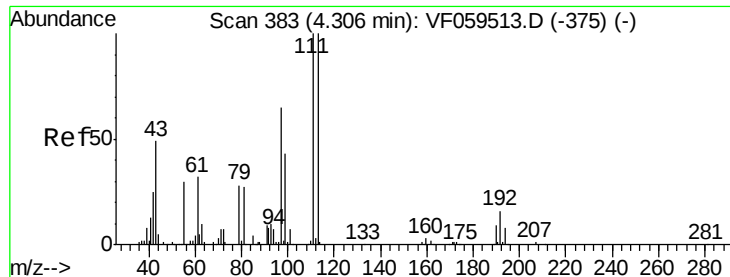
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.8

88 19.2 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.124 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059565.D

Acq: 19 Jul 2018 20:02

Instrument :
MSVOA_F
ClientSampleId :

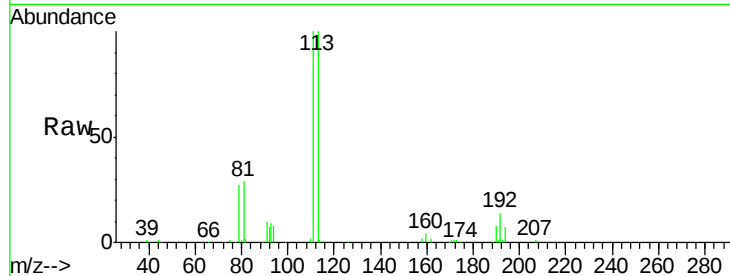
Tot Ion:113 Resp: 146533

Ion Ratio Lower Upper

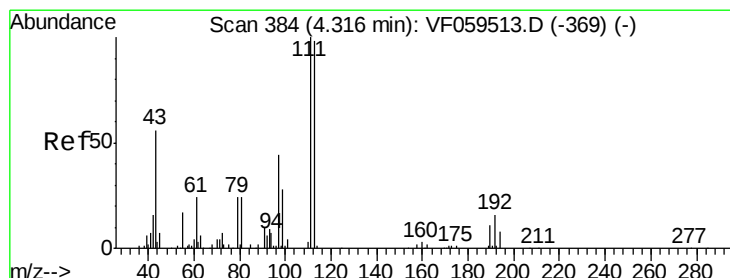
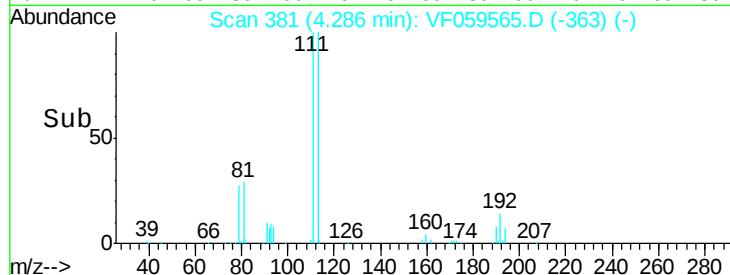
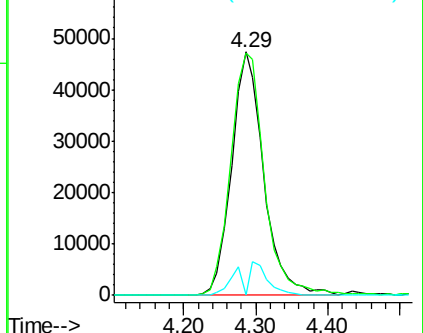
113 100

111 99.6 80.3 120.5

192 0.0 13.1 19.7#



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



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF059565.D

Acq: 19 Jul 2018 20:02

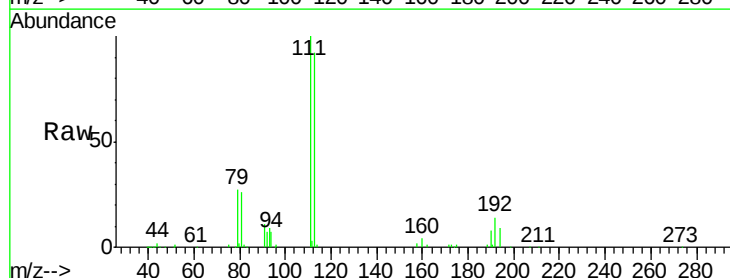
Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

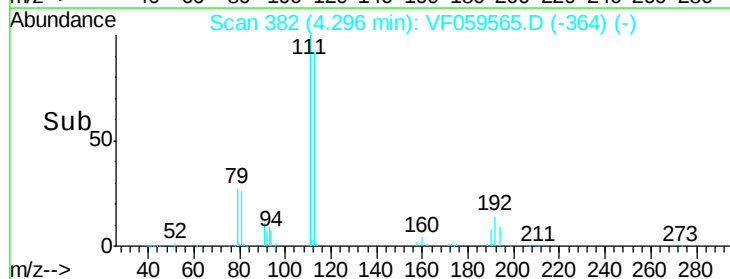
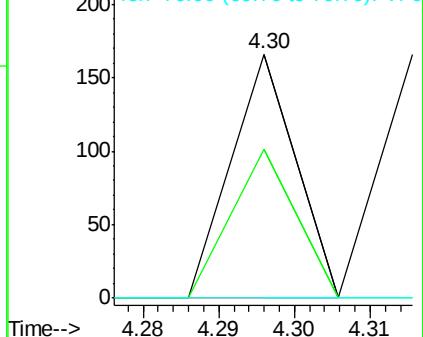
43 100

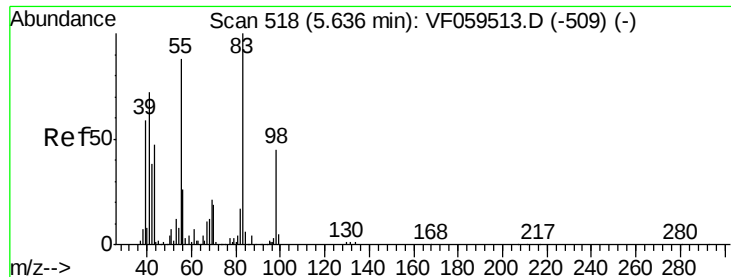
61 60.8 33.7 50.5#

70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0





#39

Methylcyclohexane

Concen: 1.934 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF059565.D

Acq: 19 Jul 2018 20:02

Instrument :
MSVOA_F
ClientSampled :

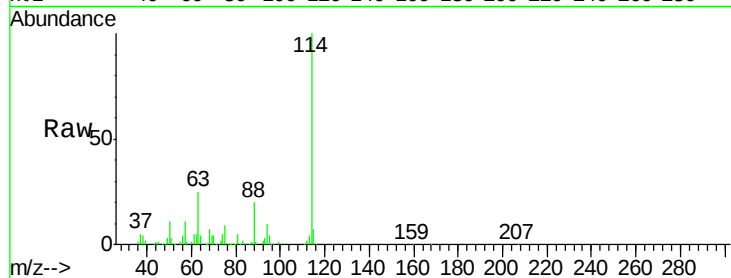
Tot Ion: 83 Resp: 4768

Ion Ratio Lower Upper

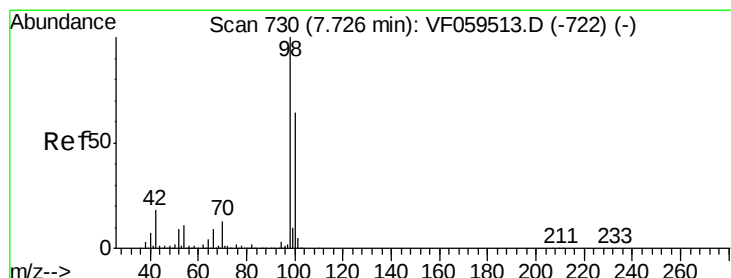
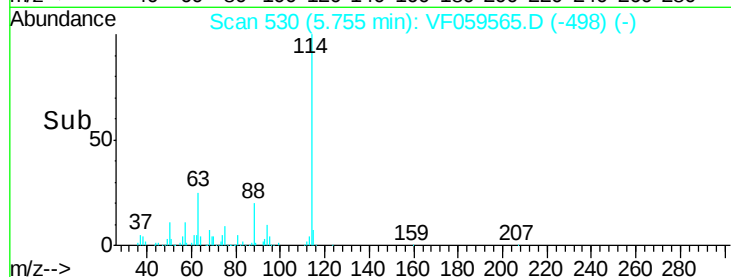
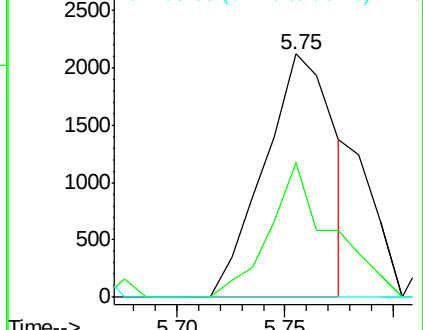
83 100

55 55.4 70.2 105.4#

98 0.0 36.2 54.2#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#50

Toluene-d8

Concen: 46.449 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059565.D

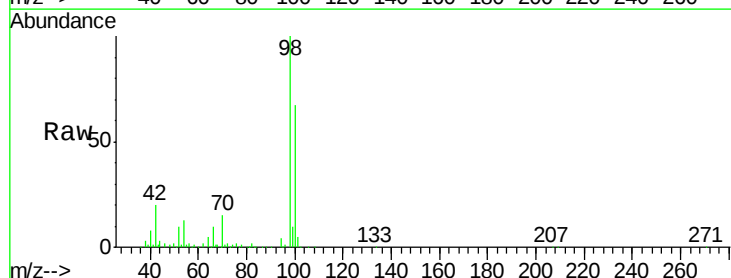
Acq: 19 Jul 2018 20:02

Tgt Ion: 98 Resp: 328925

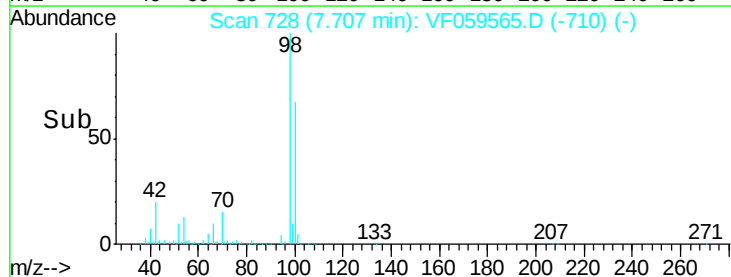
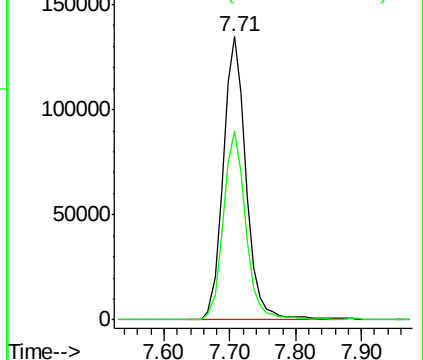
Ion Ratio Lower Upper

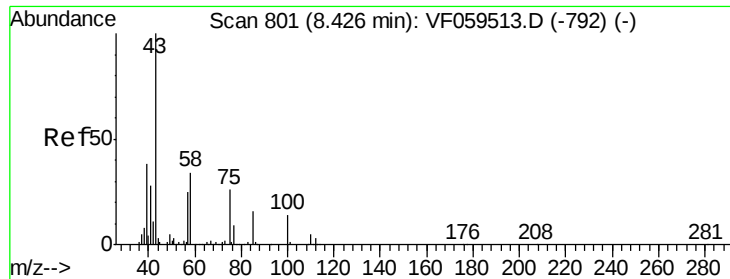
98 100

100 66.5 50.9 76.3



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: 1.307 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF059565.D

Acq: 19 Jul 2018 20:02

Instrument :

MSVOA_F

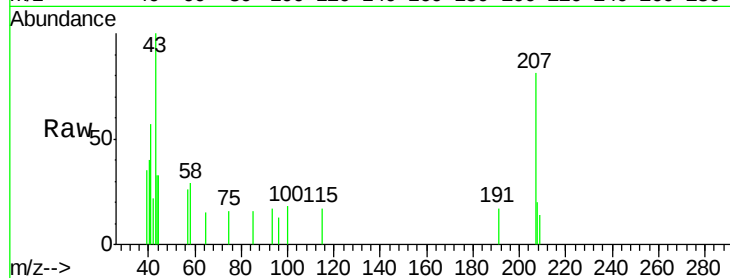
ClientSampleId :

Tot Ion: 43 Resp: 2163

Ion Ratio Lower Upper

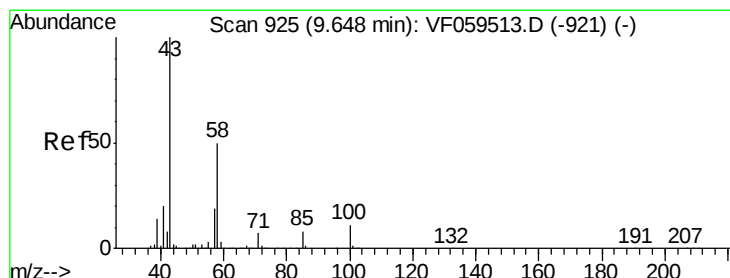
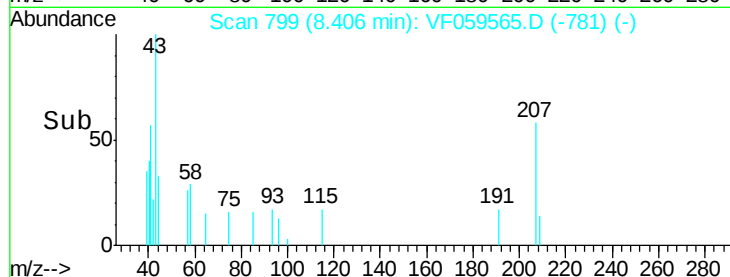
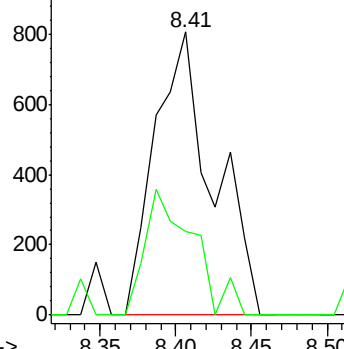
43 100

58 29.4 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 2.130 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.02 min

Lab File: VF059565.D

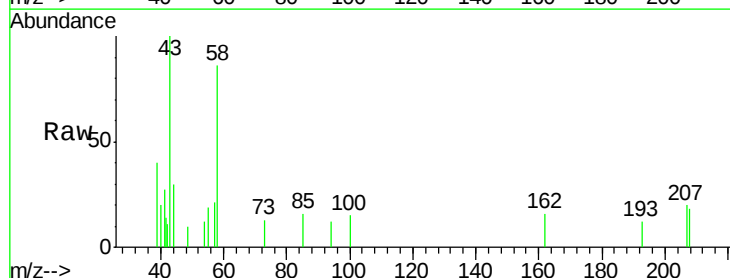
Acq: 19 Jul 2018 20:02

Tgt Ion: 43 Resp: 2664

Ion Ratio Lower Upper

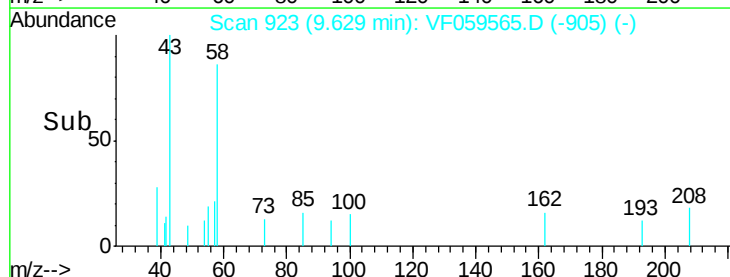
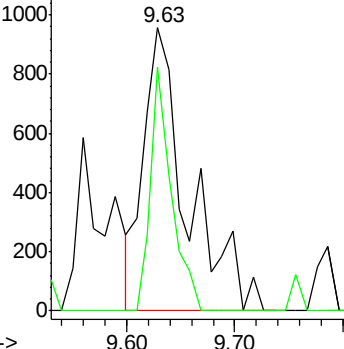
43 100

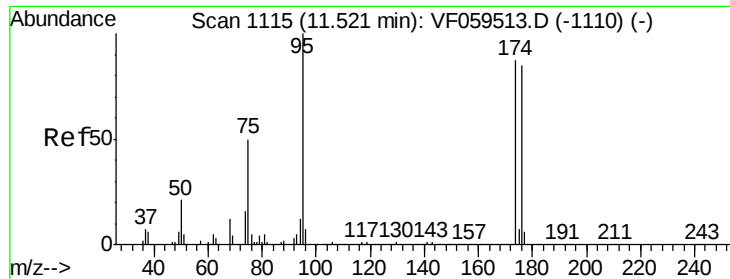
58 85.9 23.3 69.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

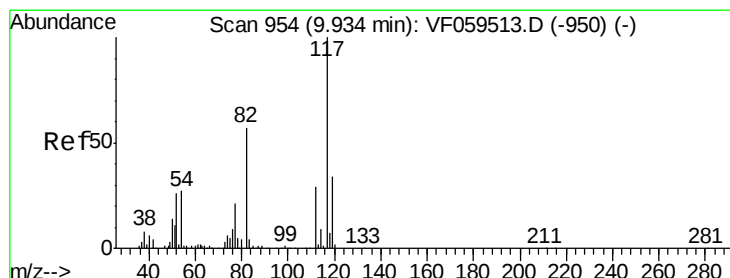
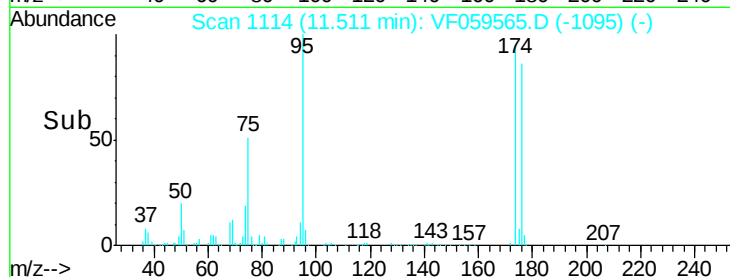
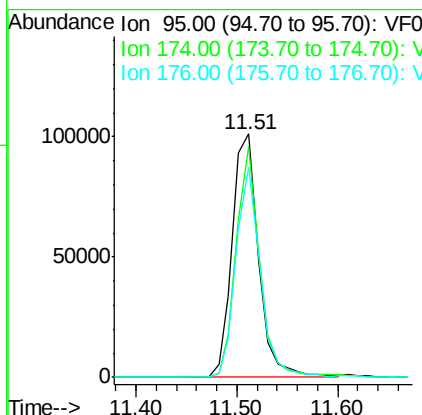
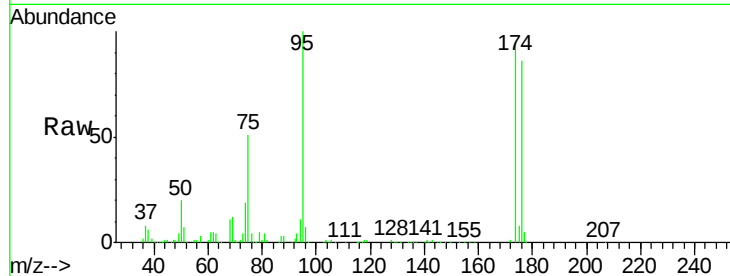




#62
4-Bromofluorobenzene
Concen: 49.660 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059565.D
Acq: 19 Jul 2018 20:02

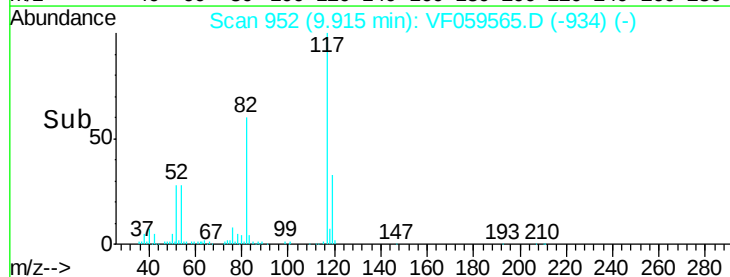
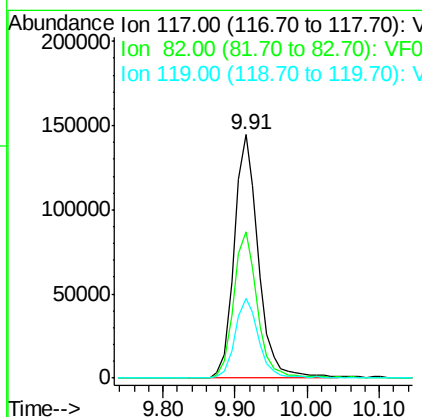
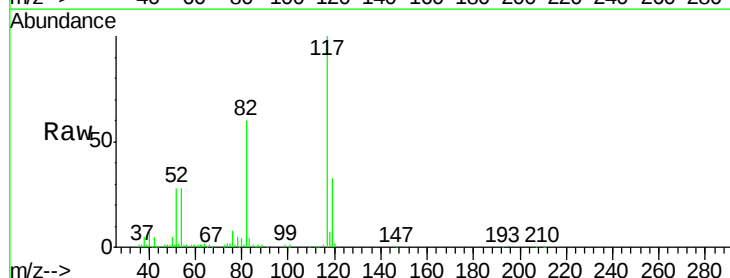
Instrument :
MSVOA_F
ClientSampled :

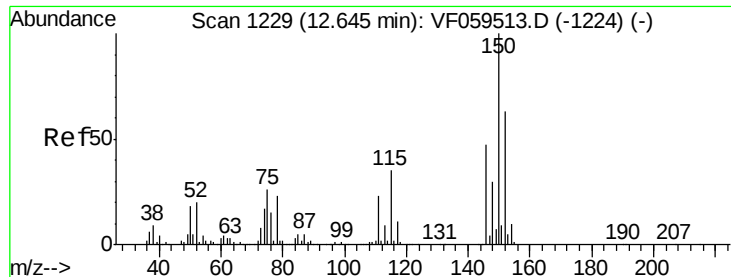
Tot Ion: 95 Resp: 184480
Ion Ratio Lower Upper
95 100
174 94.6 0.0 174.4
176 86.1 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059565.D
Acq: 19 Jul 2018 20:02

Tgt Ion: 117 Resp: 338847
Ion Ratio Lower Upper
117 100
82 60.0 46.1 69.1
119 32.5 27.2 40.8

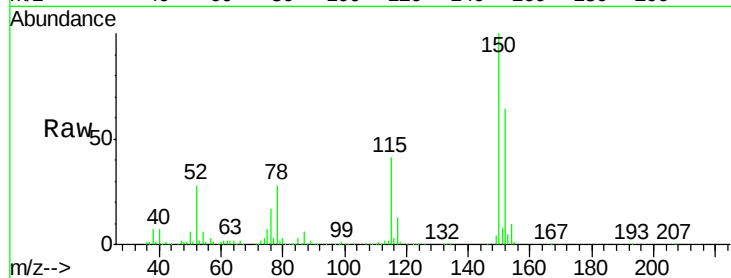




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.02 min
 Lab File: VF059565.D
 Acq: 19 Jul 2018 20:02

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.7	27.8	83.3
150	156.7	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

