

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059593.D
 Acq On : 20 Jul 2018 21:00
 Operator : VA/AP
 Sample : J4016-16
 Misc : 6.13g/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 23:28:17 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	208500	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	308358	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	263037	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	109163	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	167079	51.52	ug/l	-0.02
Spiked Amount			Recovery	=	103.04%	
35) Dibromofluoromethane	4.29	113	142217	53.25	ug/l	-0.02
Spiked Amount			Recovery	=	106.50%	
50) Toluene-d8	7.71	98	280745	41.73	ug/l	-0.02
Spiked Amount			Recovery	=	83.46%	
62) 4-Bromofluorobenzene	11.51	95	117927	33.42	ug/l	0.00
Spiked Amount			Recovery	=	66.84%	

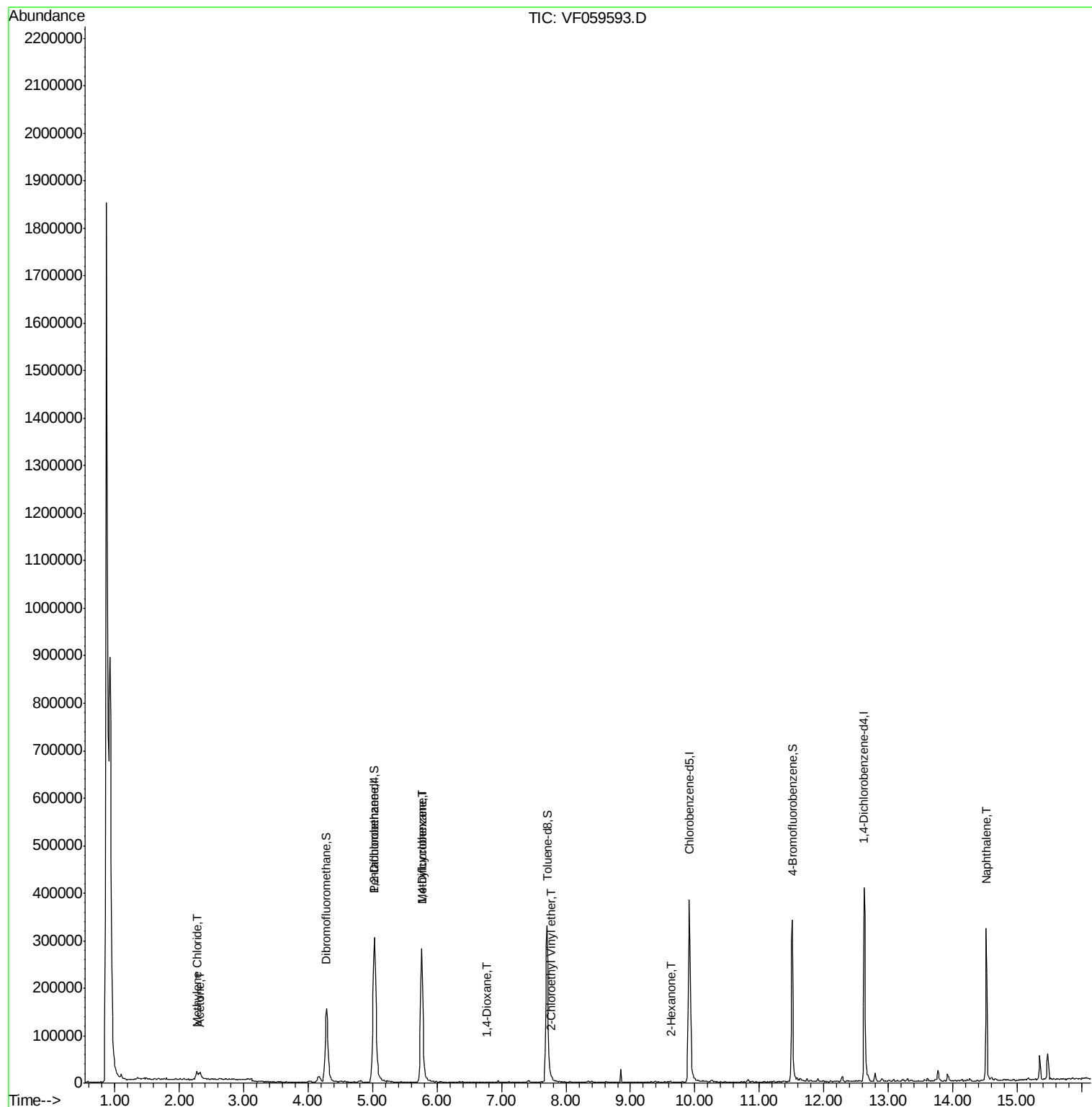
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.62	59	435	Below Cal	#	74
13) Acrolein	2.12	56	360	Below Cal	#	1
16) Acetone	2.33	43	20191	15.877	ug/l	99
18) Methyl Acetate	2.44	43	2601	Below Cal	#	67
20) Methylene Chloride	2.28	84	9371	2.006	ug/l	# 76
29) Tetrahydrofuran	4.12	42	203	Below Cal		99
37) Ethyl Acetate	4.25	43	541	Below Cal	#	41
39) Methylcyclohexane	5.76	83	4062	1.734	ug/l	# 39
49) 1,4-Dioxane	6.76	88	167	6.290	ug/l	# 66
58) 2-Chloroethyl Vinyl ether	7.78	63	400	2.171	ug/l	100
59) 2-Hexanone	9.63	43	2037	1.714	ug/l	90
95) Naphthalene	14.52	128	226776	56.709	ug/l	100

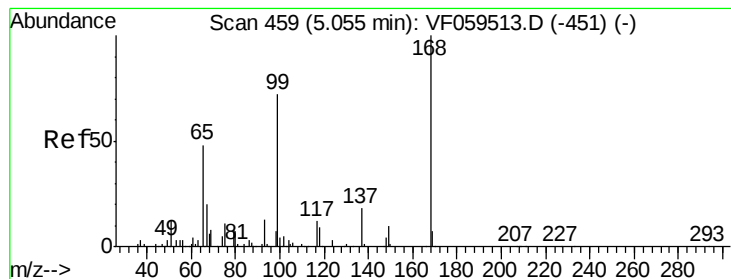
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 457

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

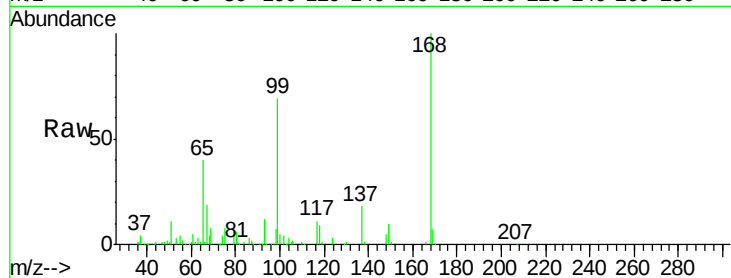
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 208500

Ion Ratio Lower Upper

168 100

99 68.6 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

80000

60000

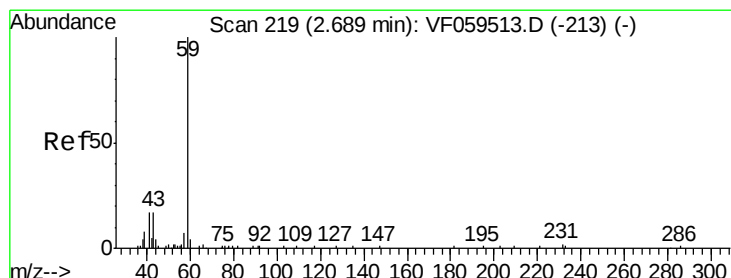
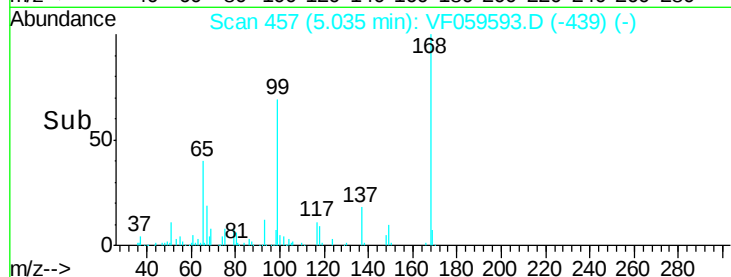
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.62 min Scan# 212

Delta R.T. -0.07 min

Lab File: VF059593.D

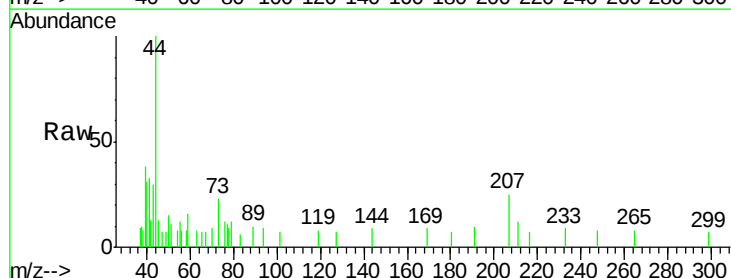
Acq: 20 Jul 2018 21:00

Tgt Ion: 59 Resp: 435

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

2.62

300

250

200

150

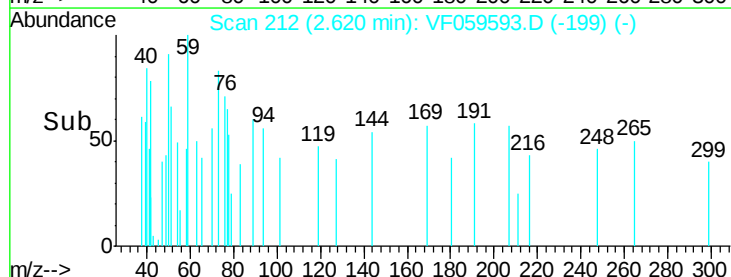
100

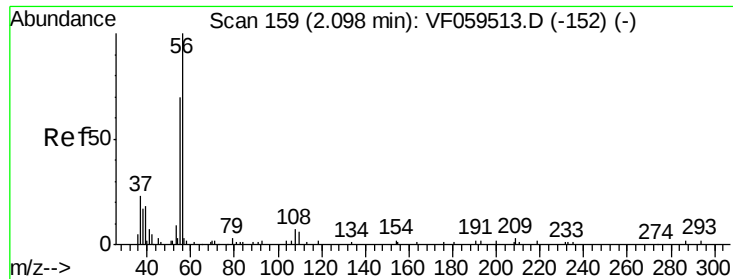
50

0

Time-->

2.60 2.65

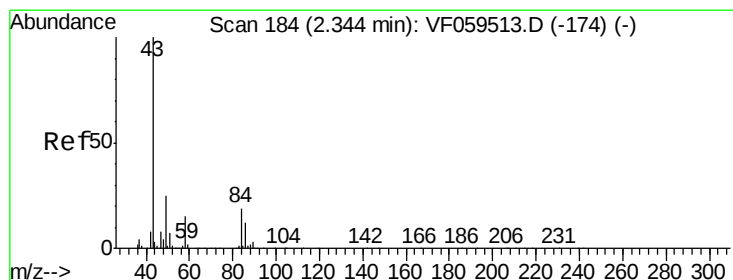
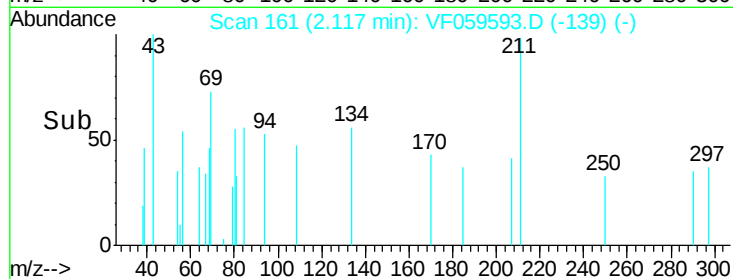
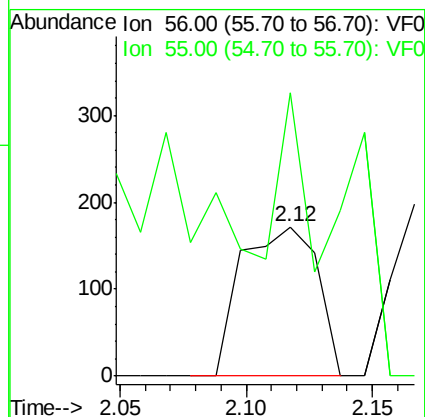
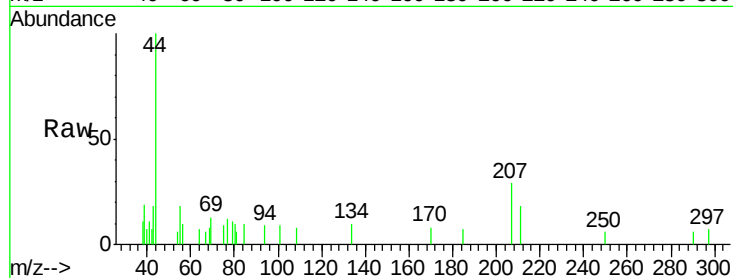




#13
Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

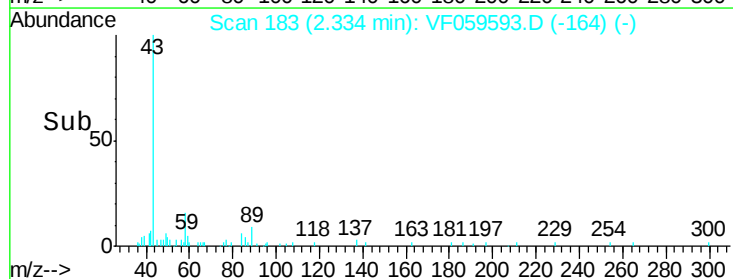
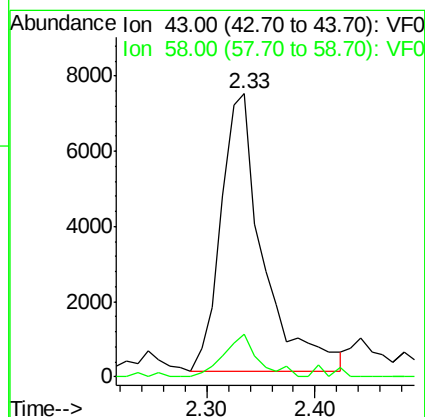
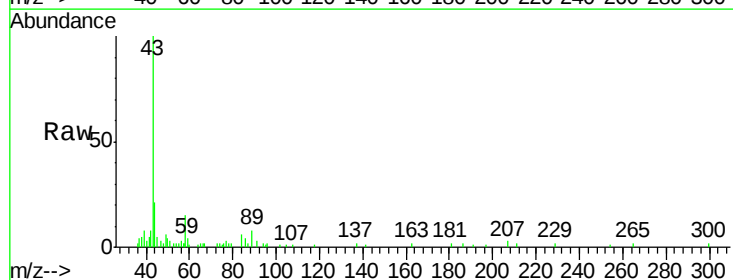
Instrument :
MSVOA_F
ClientSampleId :

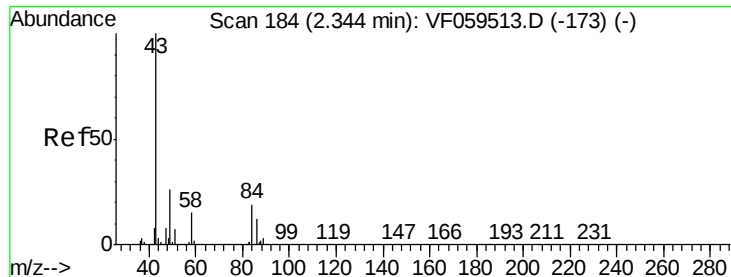
Tot Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 189.5 59.4 89.2#



#16
Acetone
Concen: 15.877 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

Tgt Ion: 43 Resp: 20191
Ion Ratio Lower Upper
43 100
58 15.1 11.8 17.6

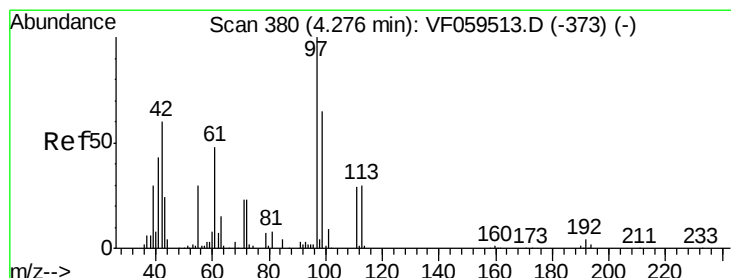
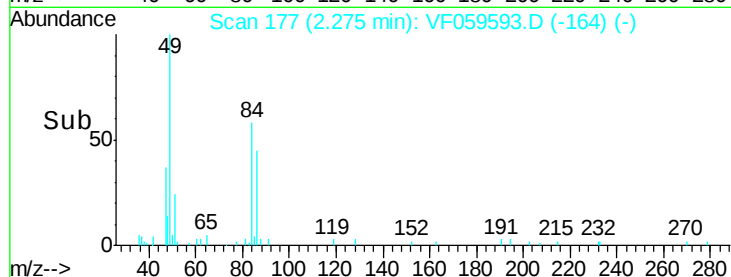
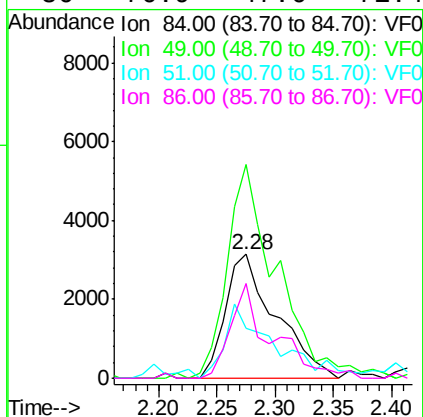
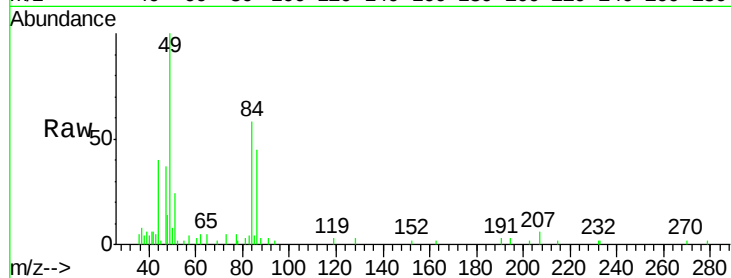




#20
Methvlene Chloride
Concen: 2.006 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

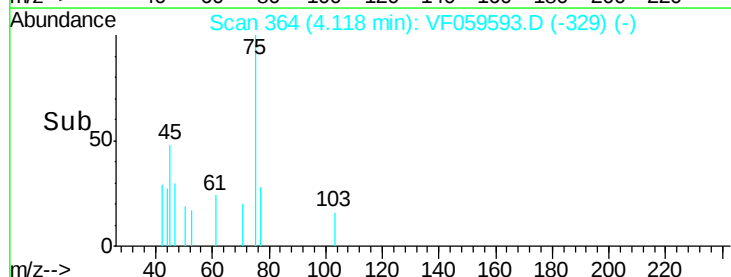
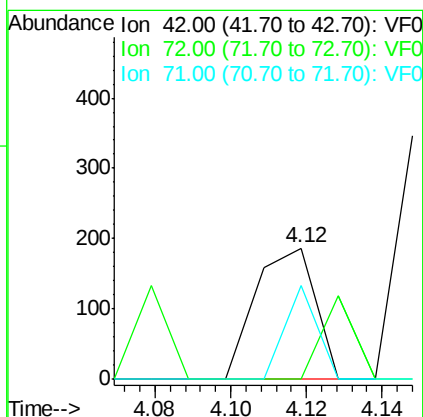
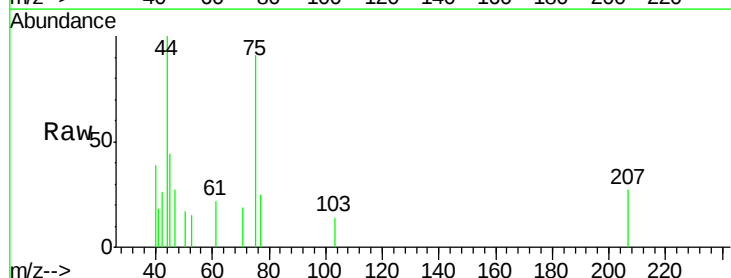
Instrument :
MSVOA_F
ClientSampleId :

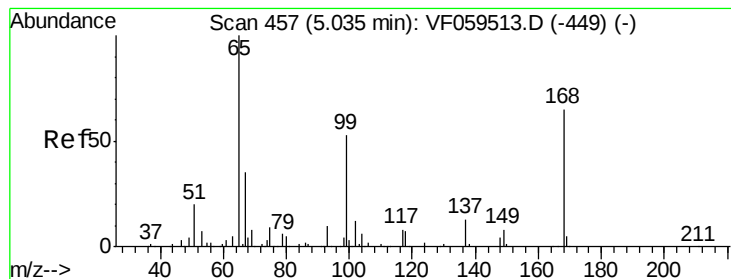
Tot Ion: 84 Resp: 9371
Ion Ratio Lower Upper
84 100
49 172.5 109.4 164.2#
51 40.7 30.5 45.7
86 76.9 47.6 71.4#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.12 min Scan# 364
Delta R.T. -0.16 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

Tgt Ion: 42 Resp: 203
Ion Ratio Lower Upper
42 100
72 34.5 28.7 43.1
71 38.4 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 51.525 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Instrument :

MSVOA_F

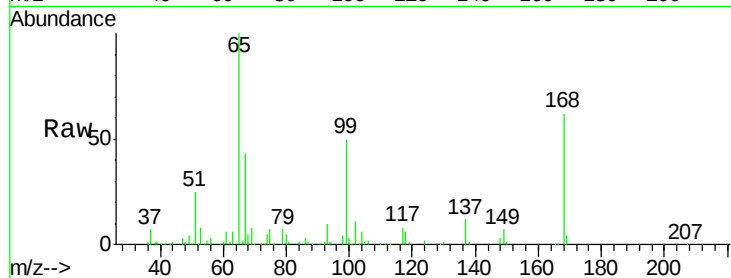
ClientSampleId :

Tot Ion: 65 Resp: 167079

Ion Ratio Lower Upper

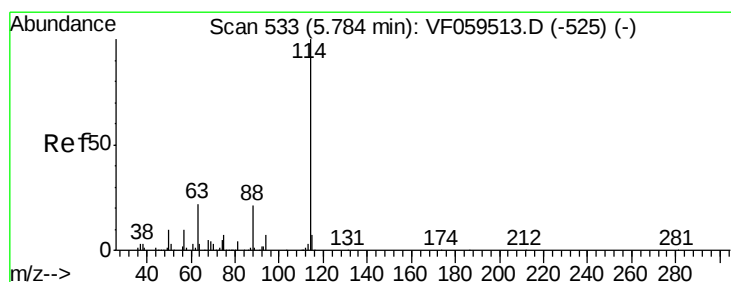
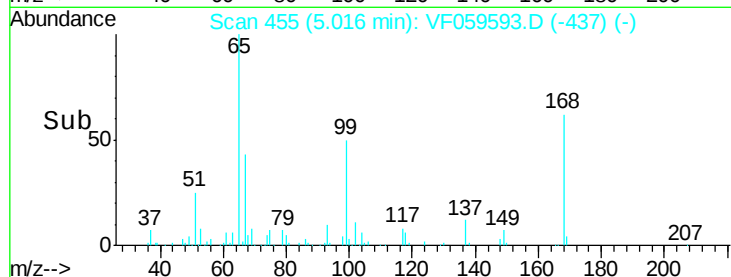
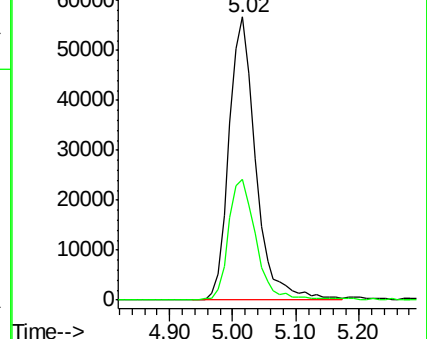
65 100

67 42.7 0.0 91.2



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: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

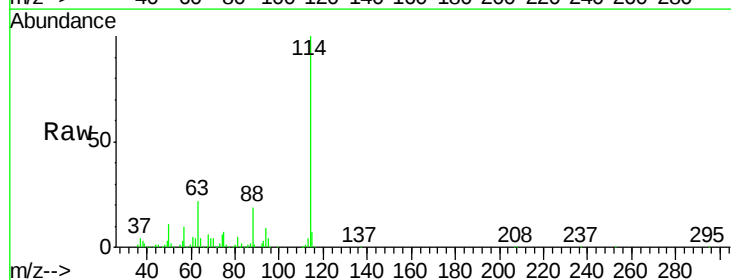
Tgt Ion: 114 Resp: 308358

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.8

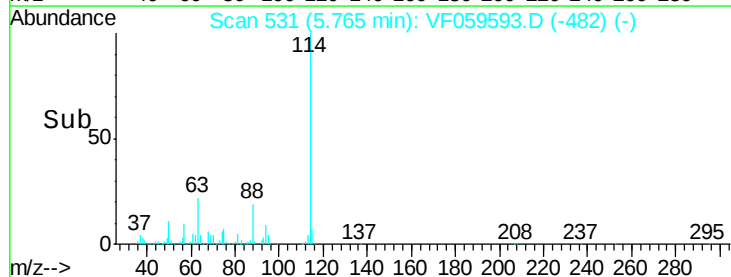
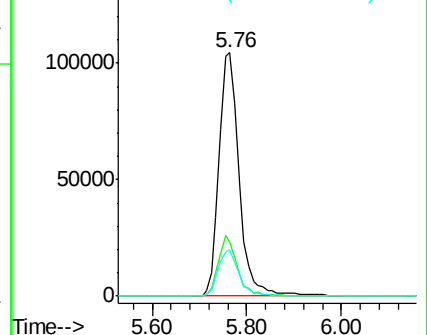
88 19.2 0.0 42.6

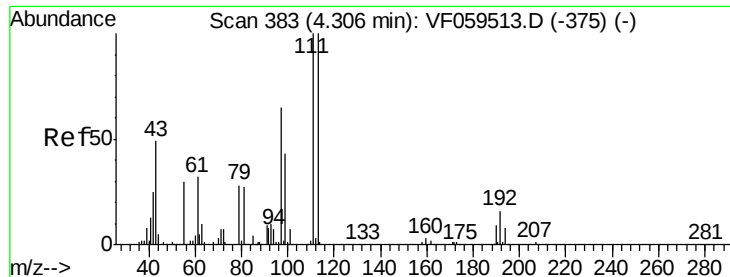


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 53.253 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

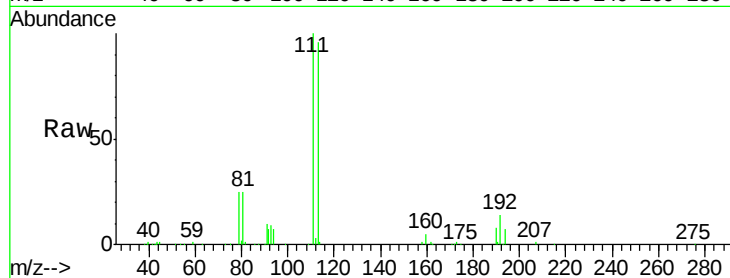
Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:113 Resp: 142217

Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.3	120.5
192	14.9	13.1	19.7

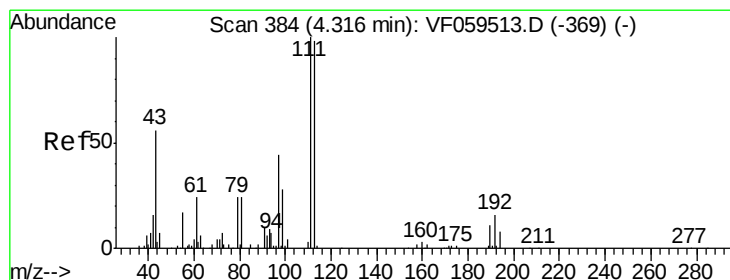
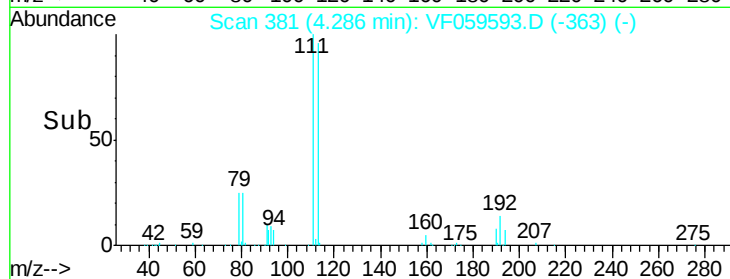
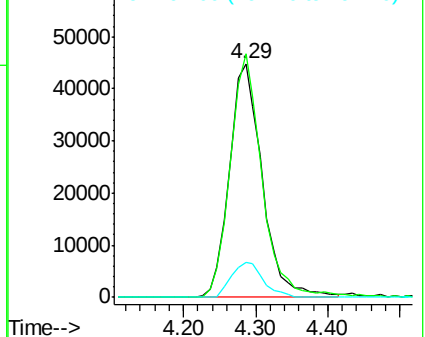


Abundance

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: 4.25 min Scan# 377

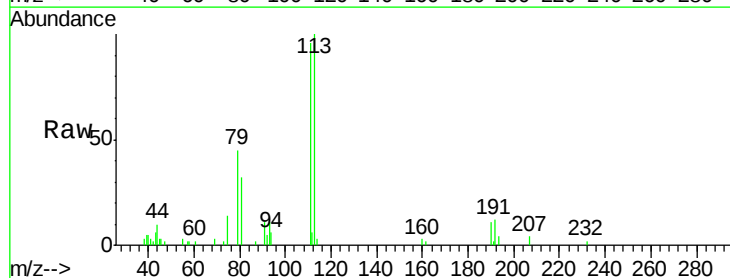
Delta R.T. -0.07 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Tgt Ion: 43 Resp: 541

Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#

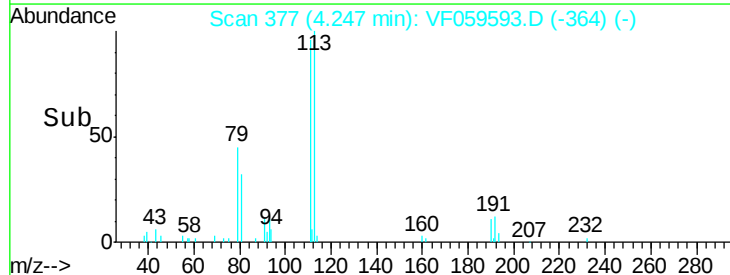
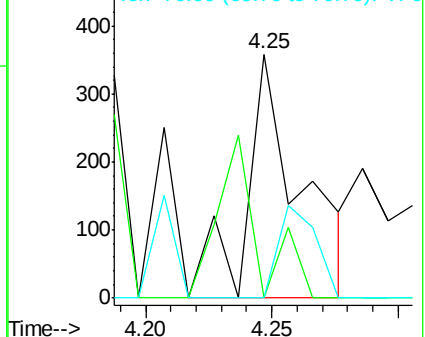


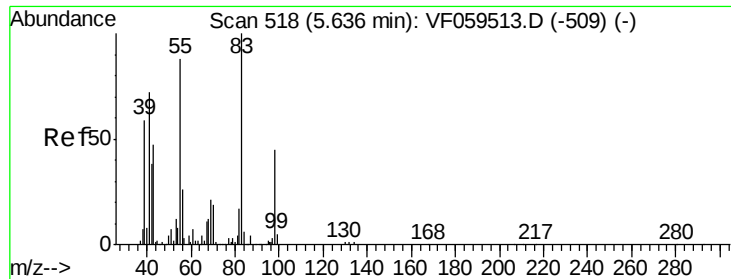
Abundance

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

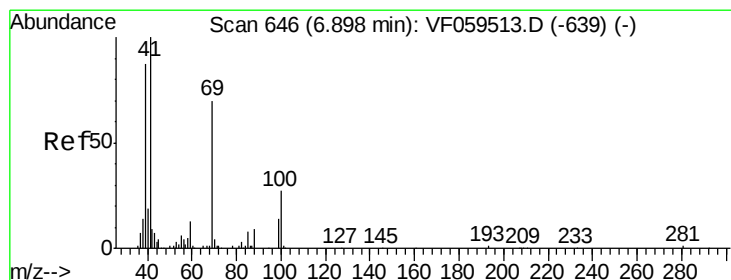
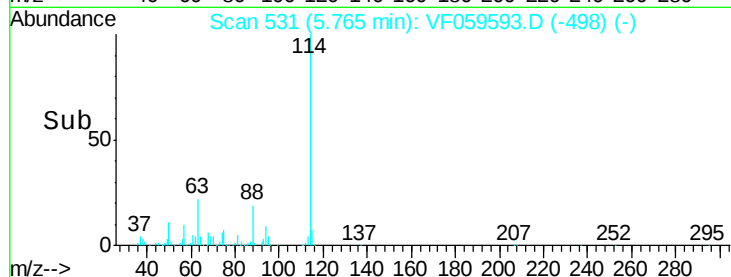
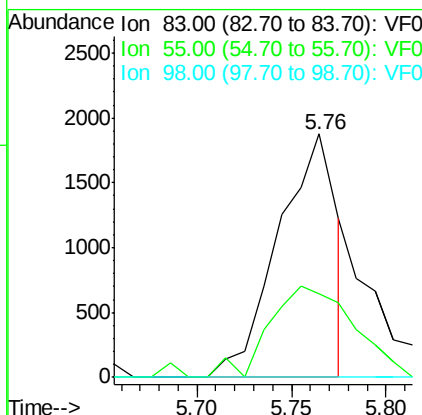
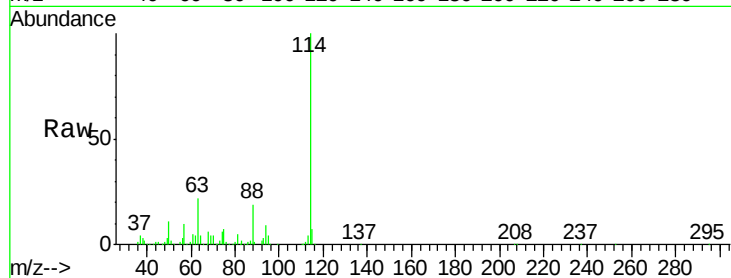




#39
Methylcyclohexane
Concen: 1.734 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

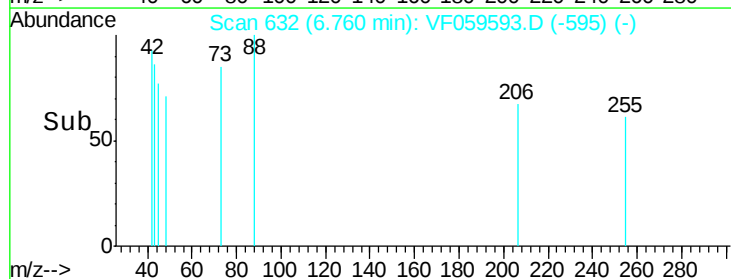
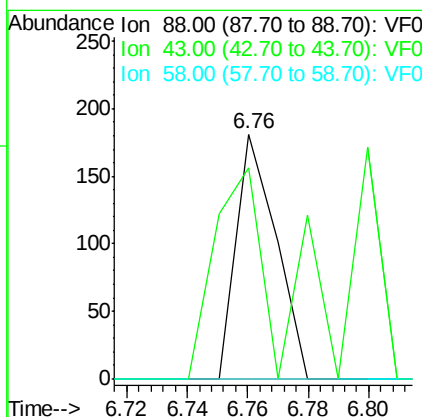
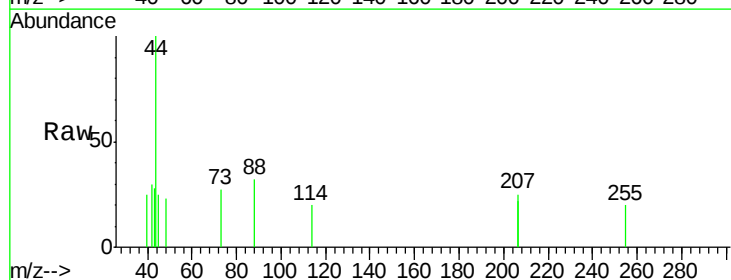
Instrument :
MSVOA_F
ClientSampled :

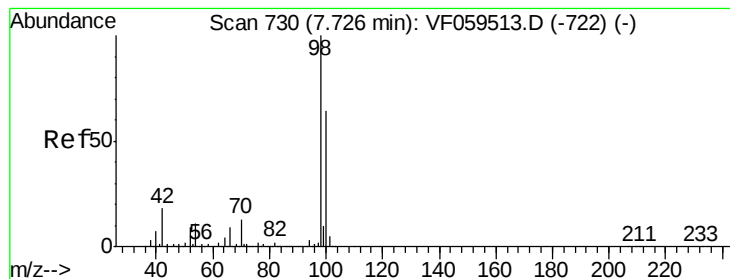
Tot Ion: 83 Resp: 4062
Ion Ratio Lower Upper
83 100
55 34.4 70.2 105.4#
98 0.0 36.2 54.2#



#49
1,4-Dioxane
Concen: 6.290 ug/l
RT: 6.76 min Scan# 632
Delta R.T. -0.14 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

Tgt Ion: 88 Resp: 167
Ion Ratio Lower Upper
88 100
43 86.2 64.8 97.2
58 0.0 44.1 66.1#





#50

Toluene-d8

Concen: 41.733 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Instrument :

MSVOA_F

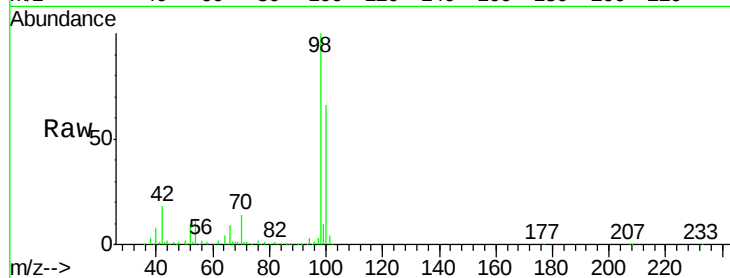
ClientSampled :

Tot Ion: 98 Resp: 280745

Ion Ratio Lower Upper

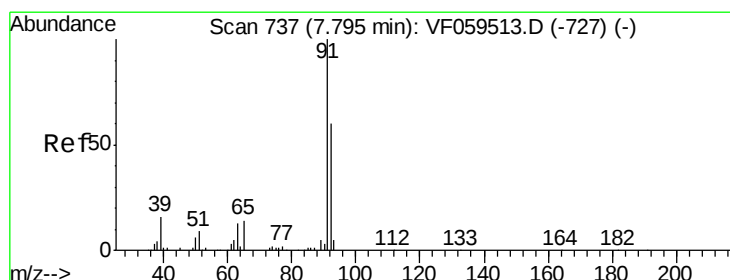
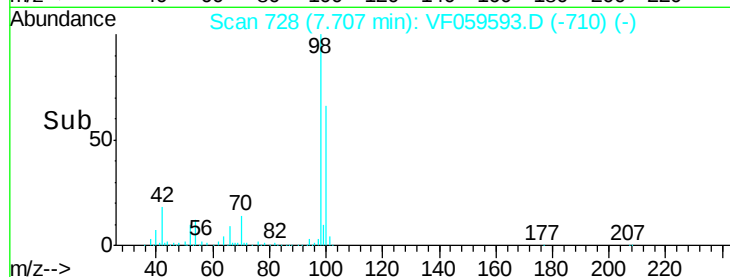
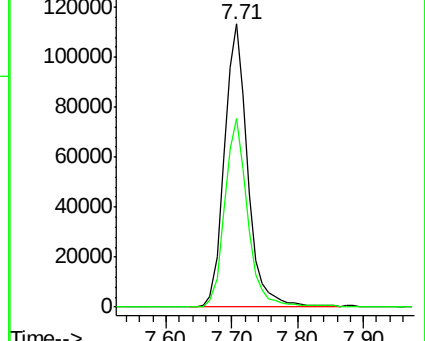
98 100

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): VF



#58

2-Chloroethyl Vinyl ether

Concen: 2.171 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059593.D

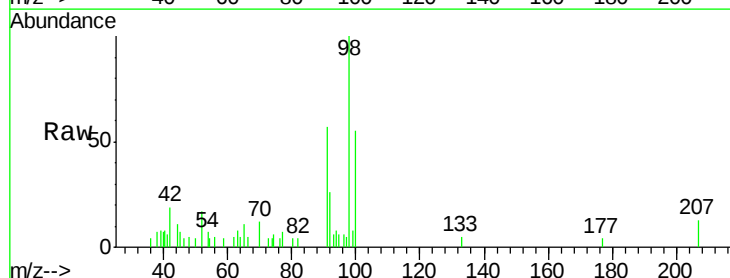
Acq: 20 Jul 2018 21:00

Tgt Ion: 63 Resp: 400

Ion Ratio Lower Upper

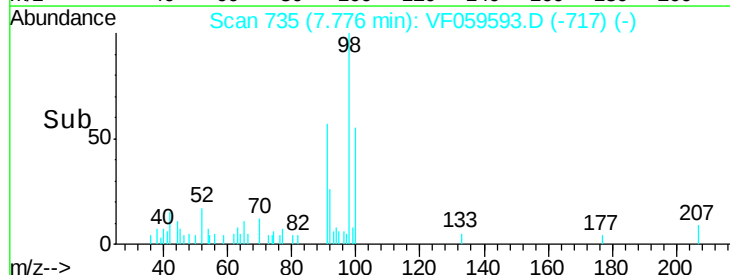
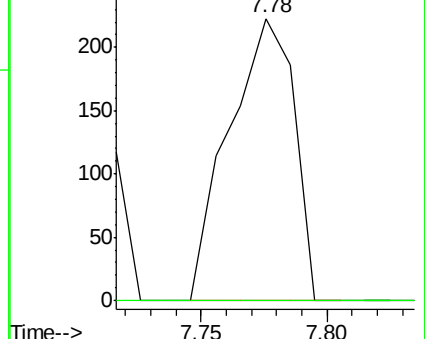
63 100

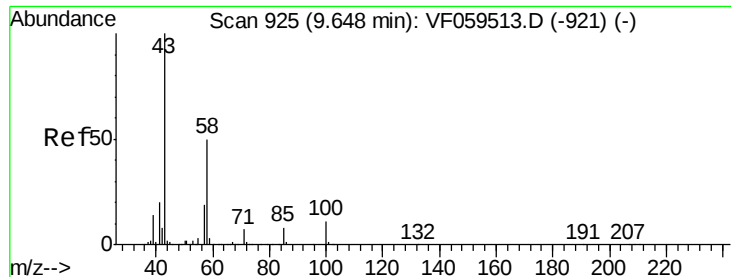
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

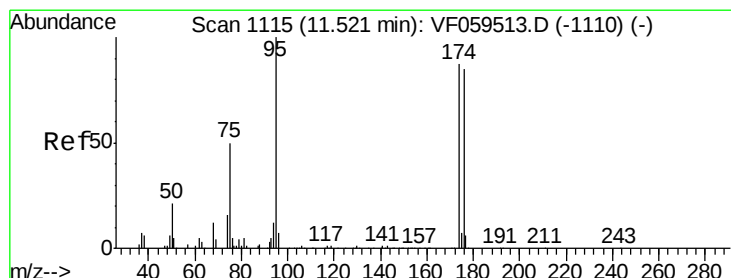
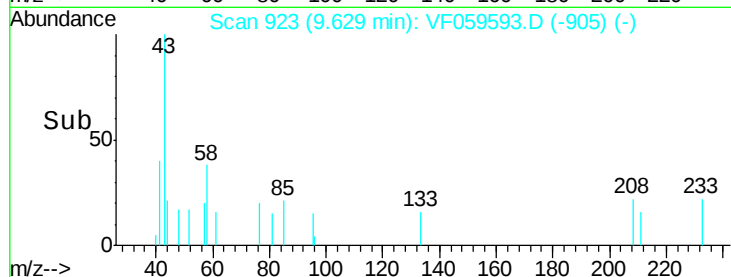
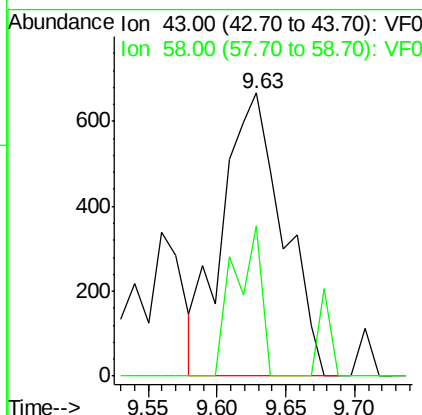
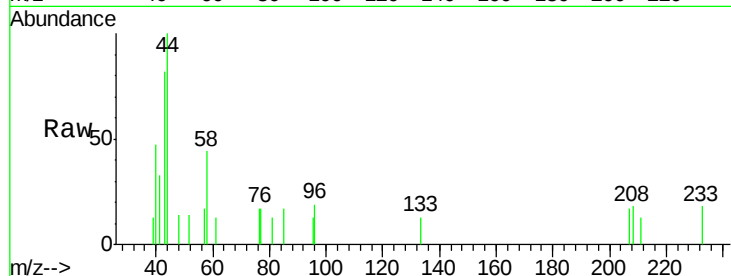




#59
2-Hexanone
Concen: 1.714 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

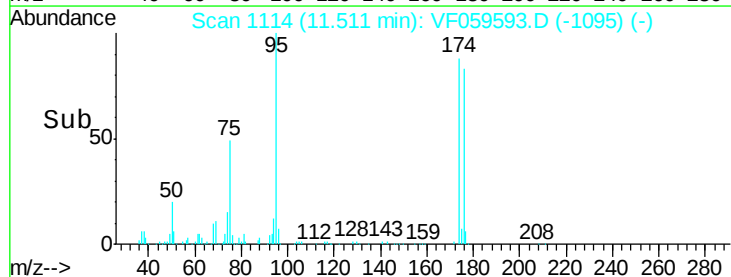
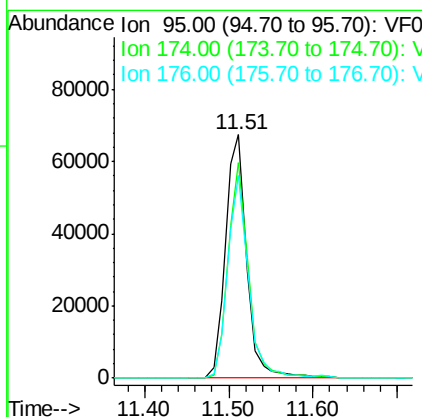
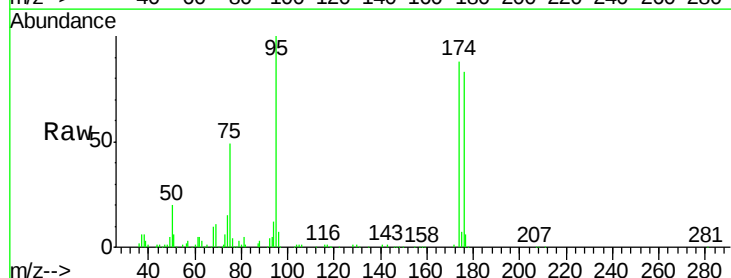
Instrument :
MSVOA_F
ClientSampleId :

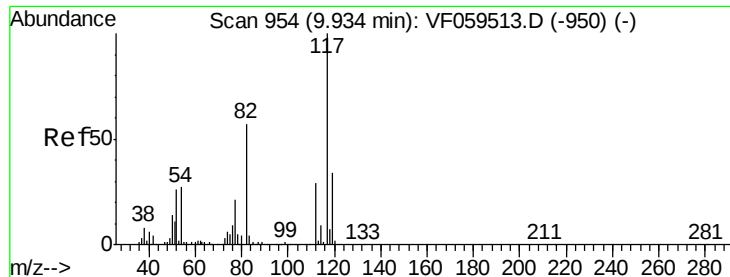
Tot Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 53.2 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 33.416 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

Tgt Ion: 95 Resp: 117927
Ion Ratio Lower Upper
95 100
174 88.5 0.0 174.4
176 83.3 0.0 169.4

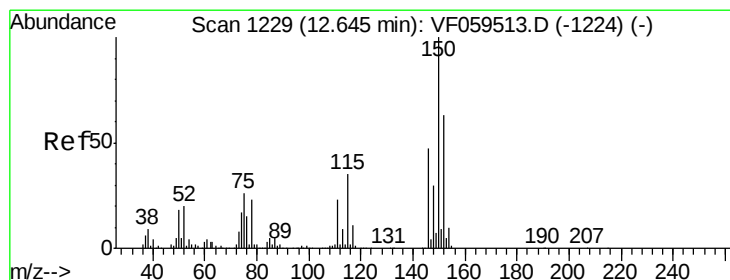
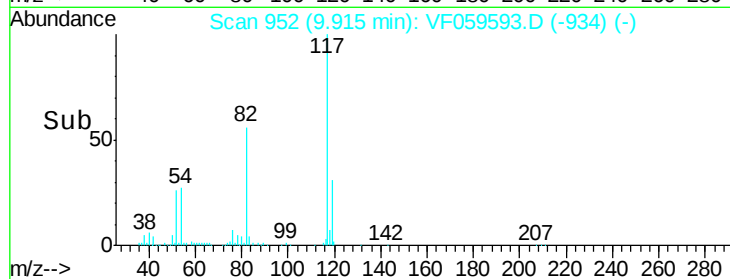
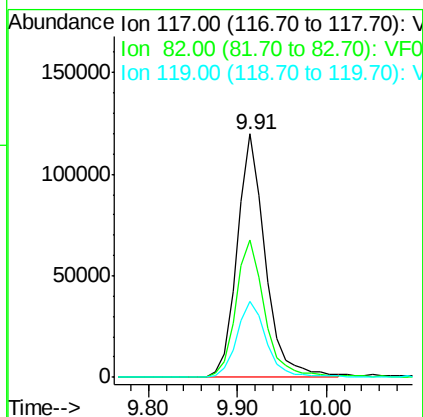
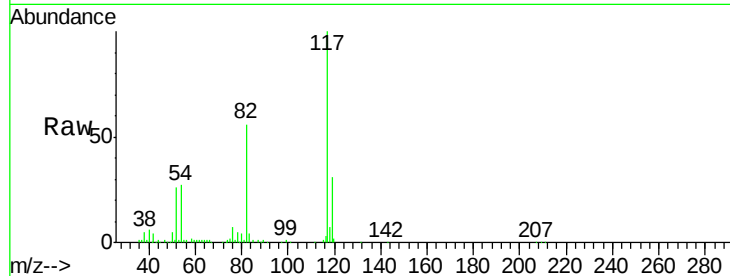




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

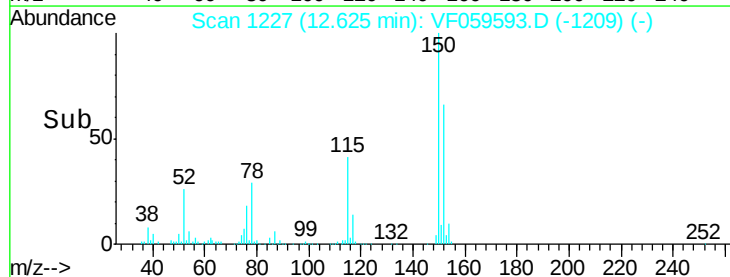
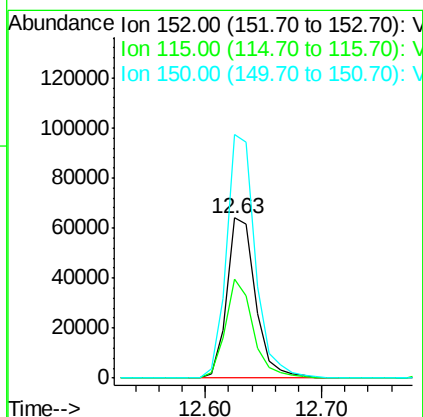
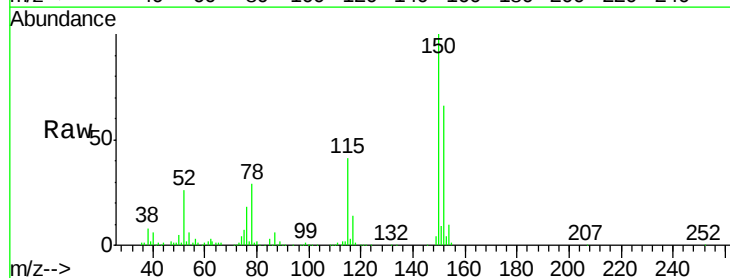
Instrument :
MSVOA_F
ClientSampleId :

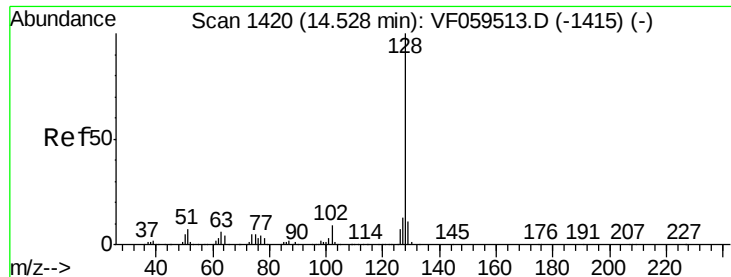
Tot Ion:117 Resp: 263037
Ion Ratio Lower Upper
117 100
82 56.3 46.1 69.1
119 31.3 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059593.D
Acq: 20 Jul 2018 21:00

Tgt Ion:152 Resp: 109163
Ion Ratio Lower Upper
152 100
115 61.9 27.8 83.3
150 151.8 0.0 318.4





#95
 Naphthalene
 Concen: 56.709 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF059593.D
 Acq: 20 Jul 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.1	9.0	13.4

