

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059243.D
 Acq On : 20 Jun 2018 23:18
 Operator : VA/AP
 Sample : J3584-19RE
 Misc : 4.95µ/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:40:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	198311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	330036	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	320285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	191367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	156645	65.13	ug/l	0.00
Spiked Amount			Recovery	=	130.26%	
35) Dibromofluoromethane	4.29	113	135156	58.36	ug/l	0.00
Spiked Amount			Recovery	=	116.72%	
50) Toluene-d8	7.71	98	311500	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
62) 4-Bromofluorobenzene	11.51	95	174700	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

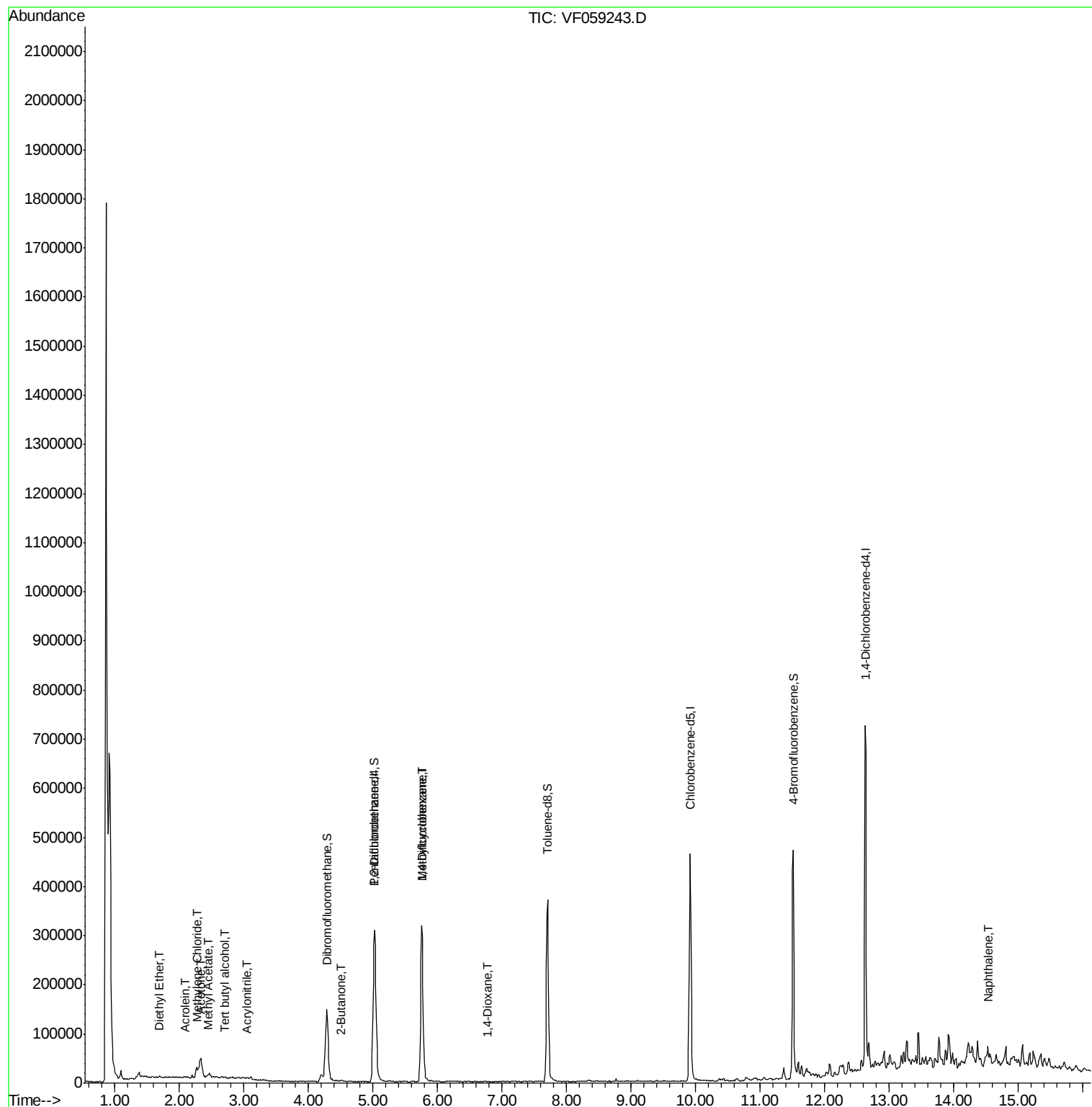
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.68	74	1287	2.098	ug/l #	38
11) Tert butyl alcohol	2.70	59	2211	14.348	ug/l #	55
13) Acrolein	2.08	56	514	3.854	ug/l	98
15) Acrylonitrile	3.06	53	413	1.349	ug/l #	37
16) Acetone	2.34	43	56559	98.493	ug/l #	91
18) Methyl Acetate	2.44	43	10386	10.521	ug/l #	92
20) Methylene Chloride	2.28	84	16004	11.640	ug/l #	93
25) 2-Butanone	4.51	43	4112	4.619	ug/l #	82
39) Methylcyclohexane	5.77	83	4485	1.375	ug/l #	44
49) 1,4-Dioxane	6.78	88	100	20.564	ug/l #	16
89) n-Butylbenzene	12.92	91	3008	Below Cal		80
95) Naphthalene	14.53	128	13914	1.570	ug/l #	86

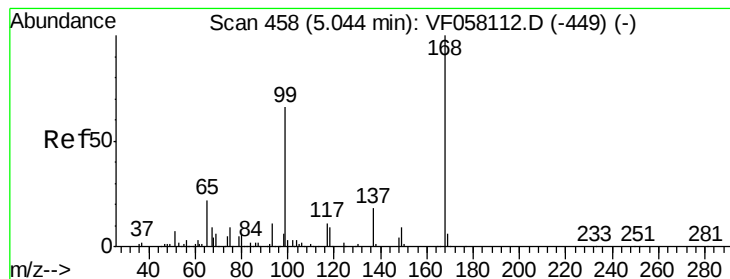
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059243.D

Acq: 20 Jun 2018 23:18

Instrument :

MSVOA_F

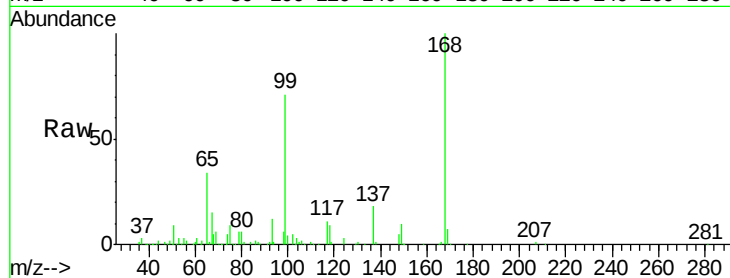
ClientSampleId :

Tot Ion:168 Resp: 198311

Ion Ratio Lower Upper

168 100

99 71.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

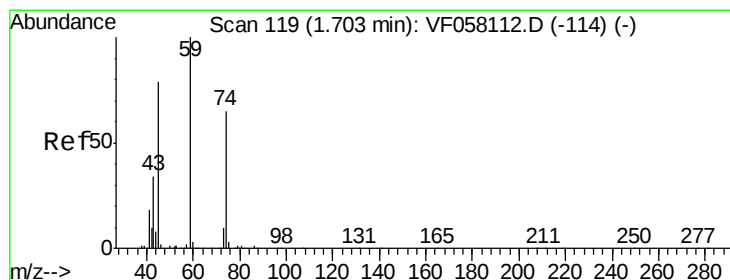
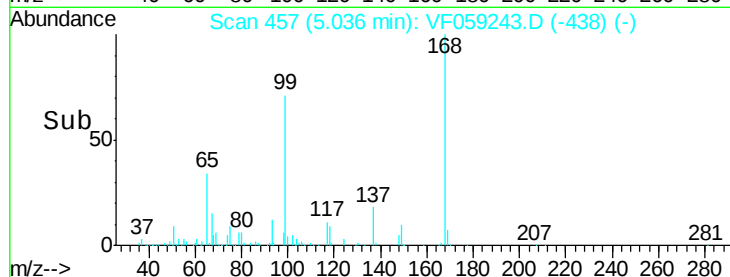
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#8

Diethyl Ether

Concen: 2.098 ug/l

RT: 1.68 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF059243.D

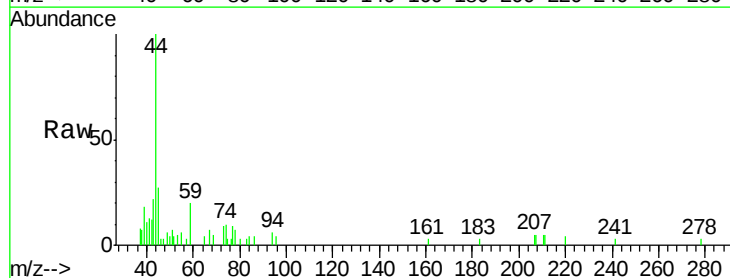
Acq: 20 Jun 2018 23:18

Tgt Ion: 74 Resp: 1287

Ion Ratio Lower Upper

74 100

45 193.3 61.5 184.4#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.68

1200

1000

800

600

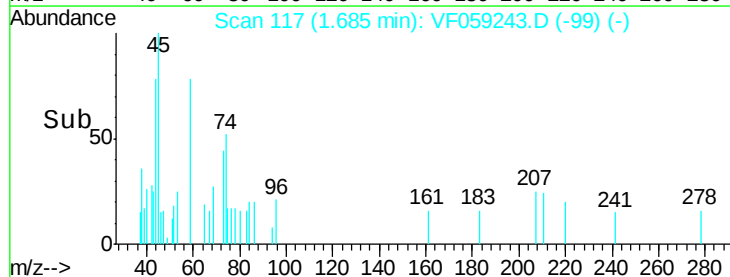
400

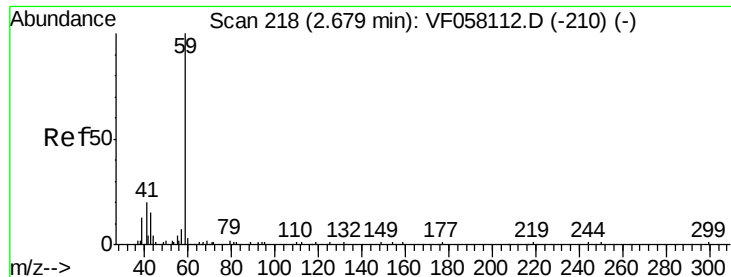
200

0

1.65 1.70 1.75

Time-->



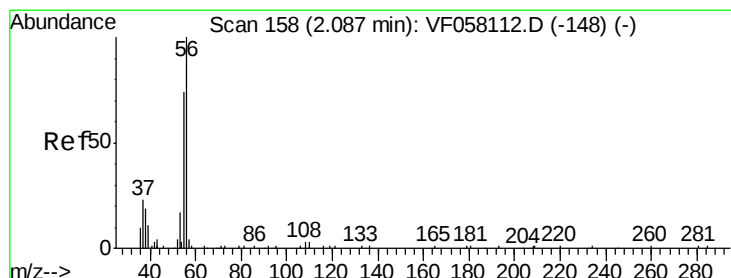
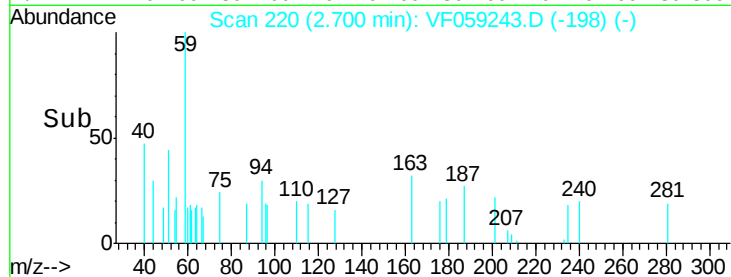
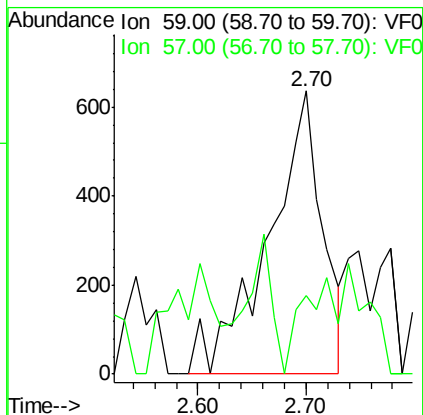
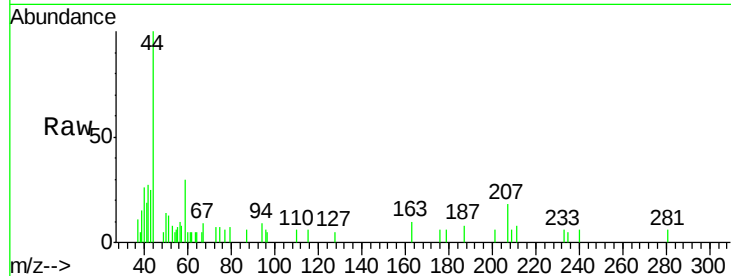


#11

Tert butyl alcohol
Concen: 14.348 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Instrument :
MSVOA_F
ClientSampled :

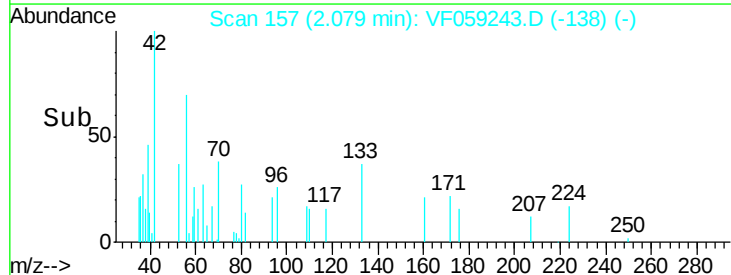
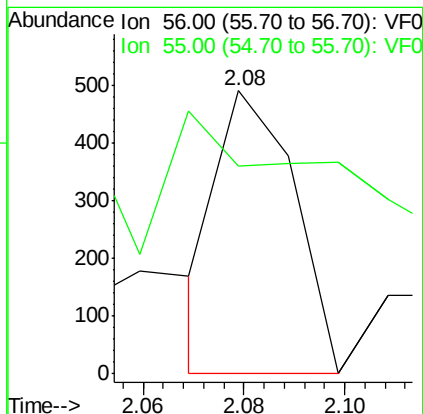
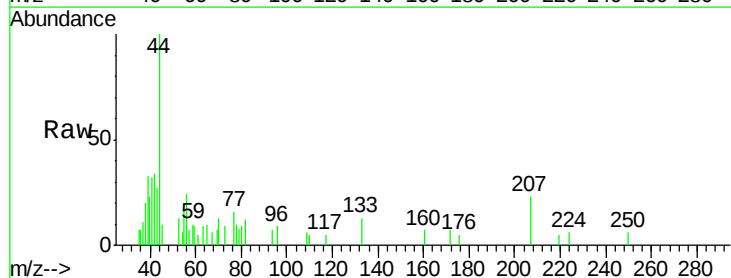
Tot Ion: 59 Resp: 2211
Ion Ratio Lower Upper
59 100
57 27.8 8.7 13.1#

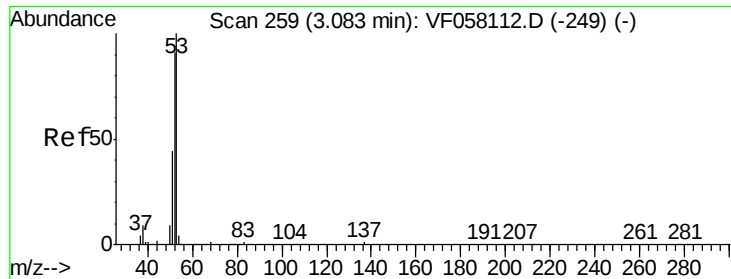


#13

Acrolein
Concen: 3.854 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
55 73.3 60.0 90.0





#15

Acrylonitrile

Concen: 1.349 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

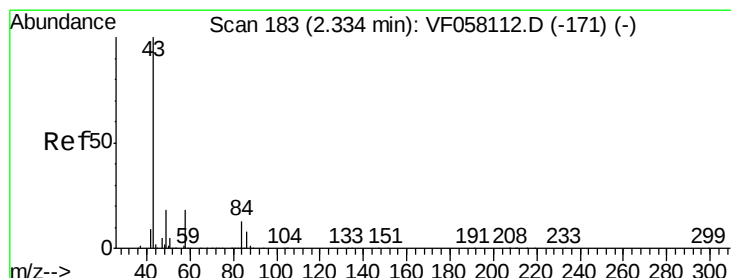
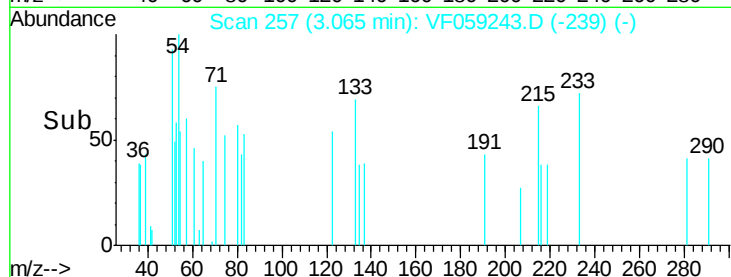
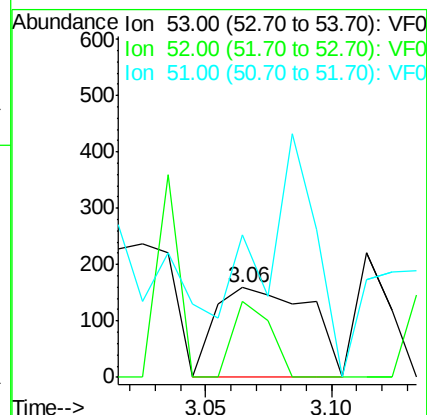
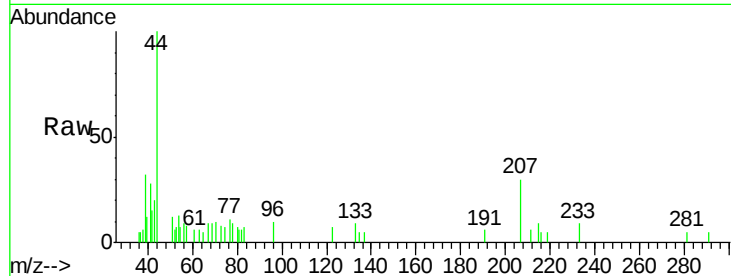
Lab File: VF059243.D

Acq: 20 Jun 2018 23:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 413

Ion	Ratio	Lower	Upper
53	100		
52	84.3	73.2	109.8
51	159.7	35.6	53.4#



#16

Acetone

Concen: 98.493 ug/l

RT: 2.34 min Scan# 183

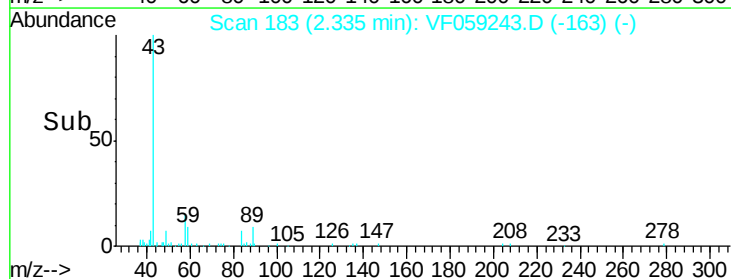
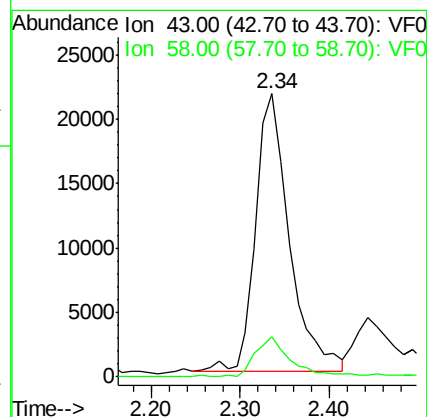
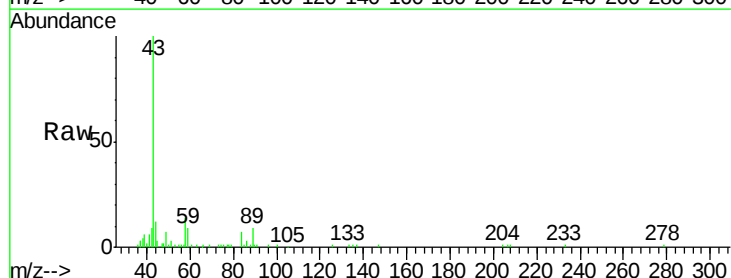
Delta R.T. 0.00 min

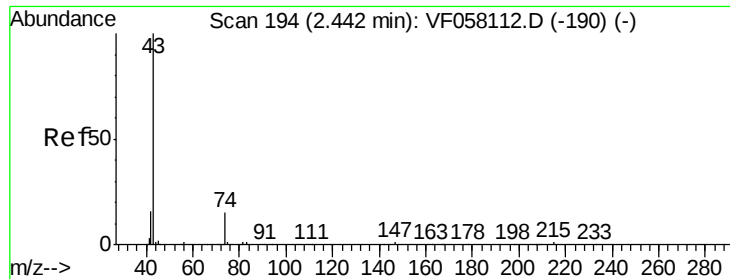
Lab File: VF059243.D

Acq: 20 Jun 2018 23:18

Tgt Ion: 43 Resp: 56559

Ion	Ratio	Lower	Upper
43	100		
58	14.2	14.4	21.6#

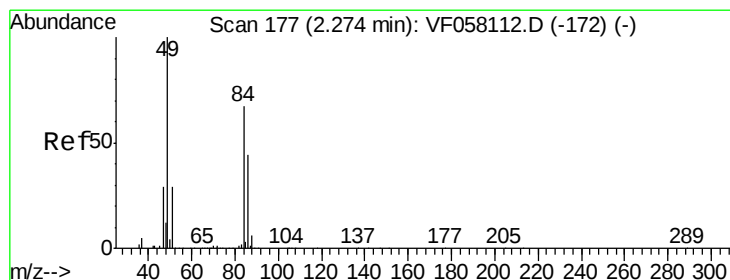
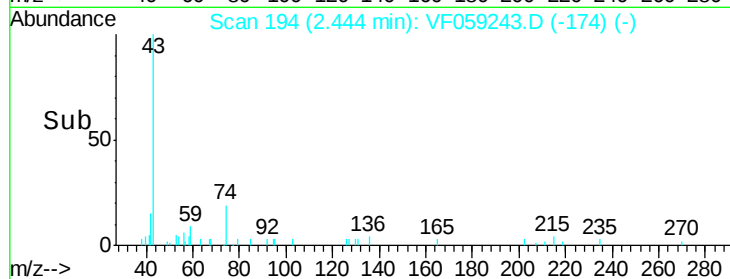
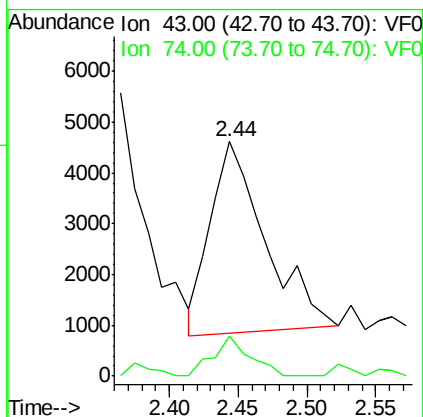
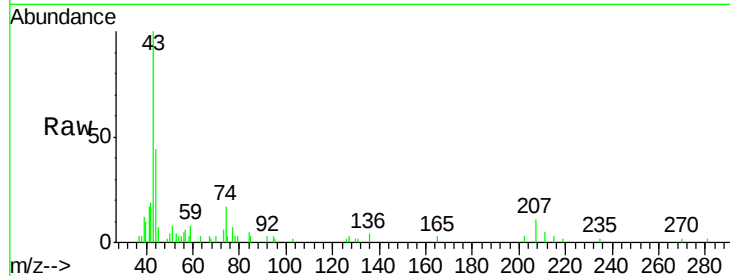




#18
Methvl Acetate
Concen: 10.521 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

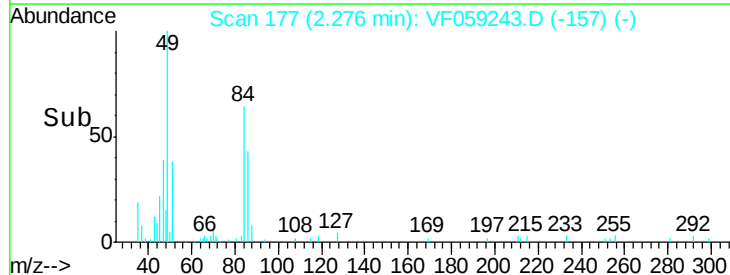
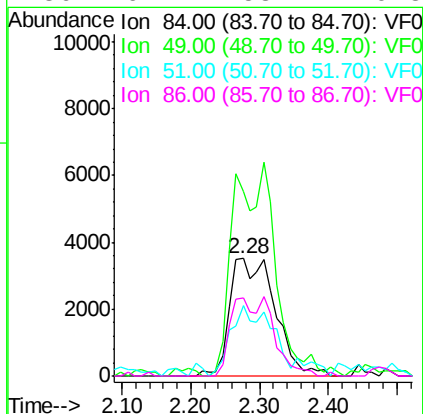
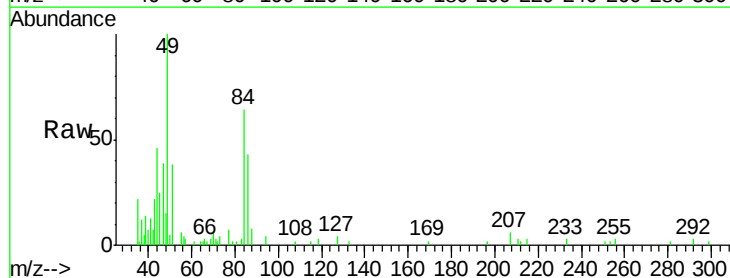
Instrument :
MSVOA_F
ClientSampleId :

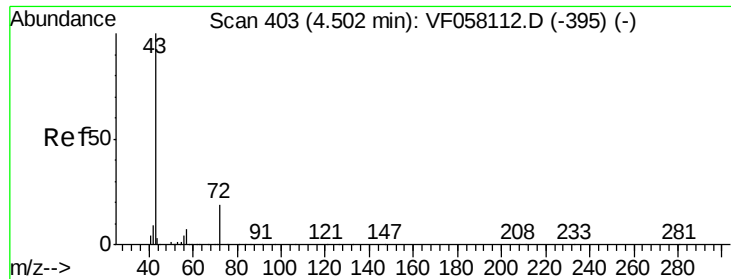
Tot Ion: 43 Resp: 10386
Ion Ratio Lower Upper
43 100
74 16.9 10.9 16.3#



#20
Methylene Chloride
Concen: 11.640 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Tgt Ion: 84 Resp: 16004
Ion Ratio Lower Upper
84 100
49 156.7 121.0 181.4
51 60.0 35.8 53.6#
86 67.1 53.2 79.8





#25

2-Butanone

Concen: 4.619 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059243.D

Acq: 20 Jun 2018 23:18

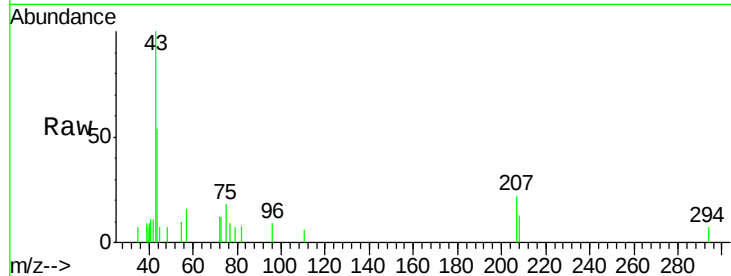
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4112

Ion Ratio Lower Upper

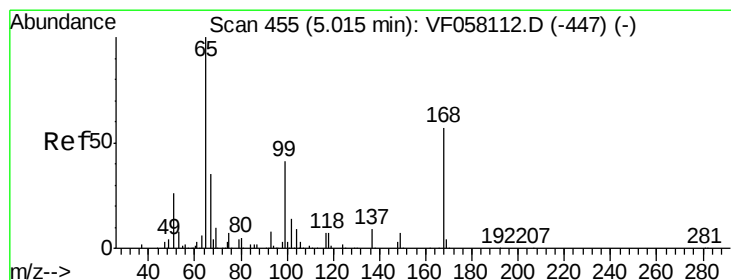
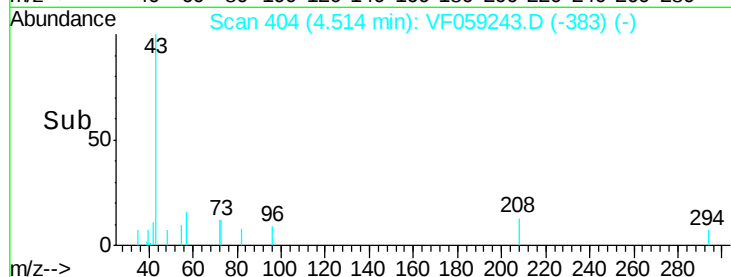
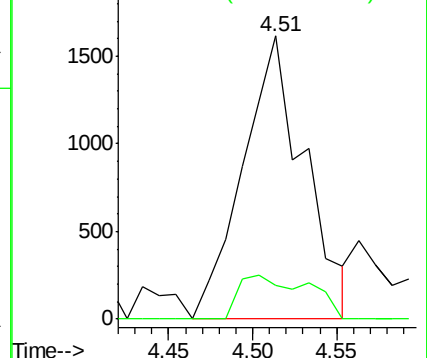
43 100

72 11.8 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 65.130 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059243.D

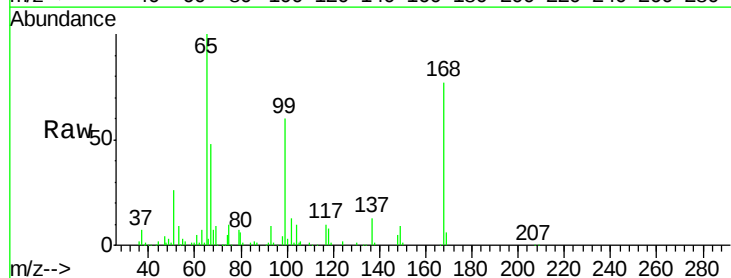
Acq: 20 Jun 2018 23:18

Tgt Ion: 65 Resp: 156645

Ion Ratio Lower Upper

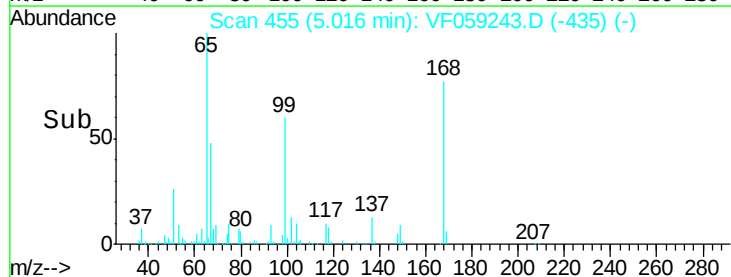
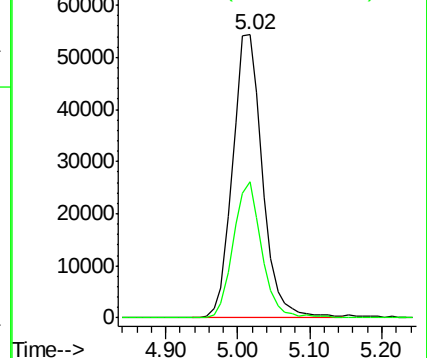
65 100

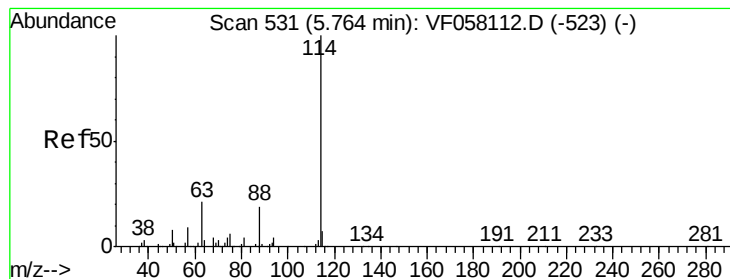
67 47.9 0.0 97.0



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# 530

Delta R.T. -0.01 min

Lab File: VF059243.D

Acq: 20 Jun 2018 23:18

Instrument :

MSVOA_F

ClientSampleId :

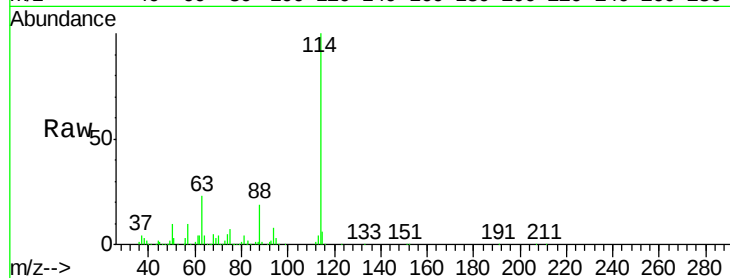
Tot Ion:114 Resp: 330036

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.6

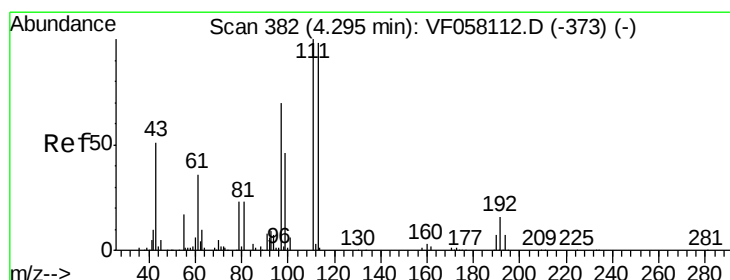
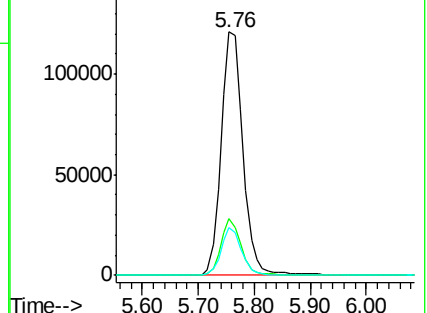
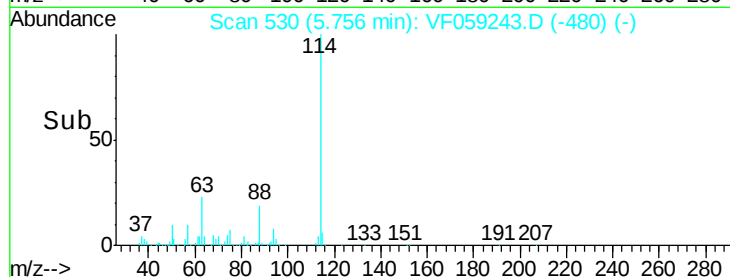
88 19.5 0.0 38.8



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: 58.363 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059243.D

Acq: 20 Jun 2018 23:18

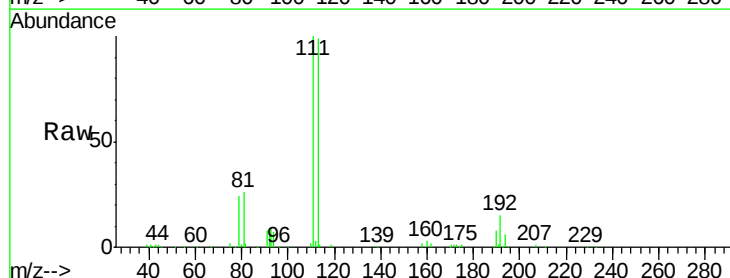
Tgt Ion:113 Resp: 135156

Ion Ratio Lower Upper

113 100

111 100.8 81.3 121.9

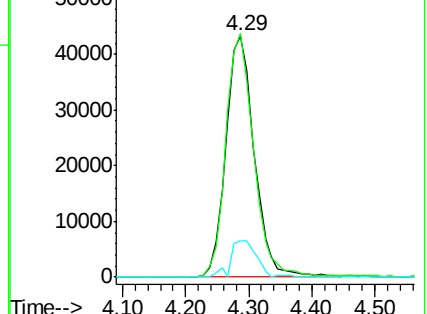
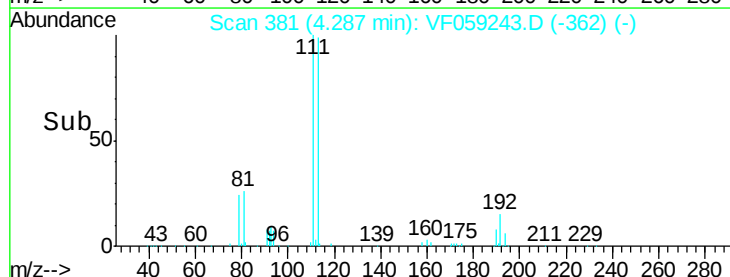
192 15.3 12.7 19.1

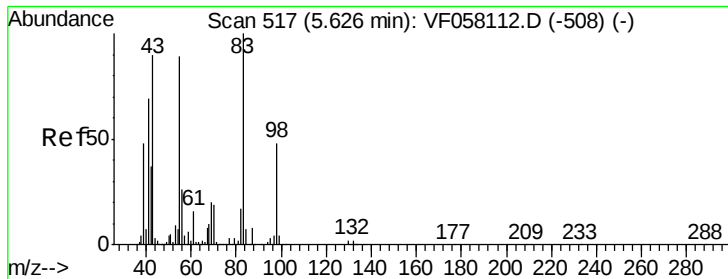


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

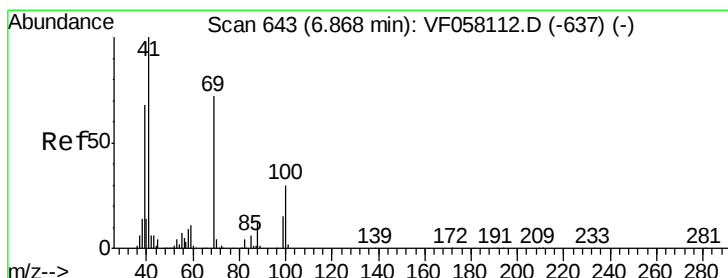
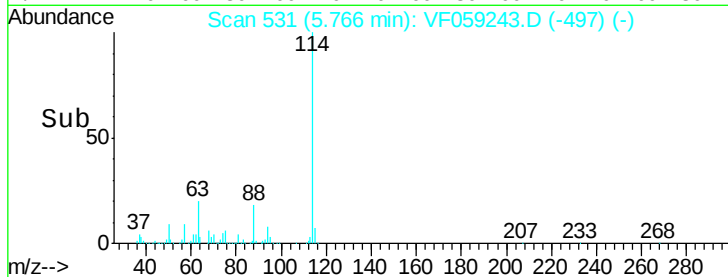
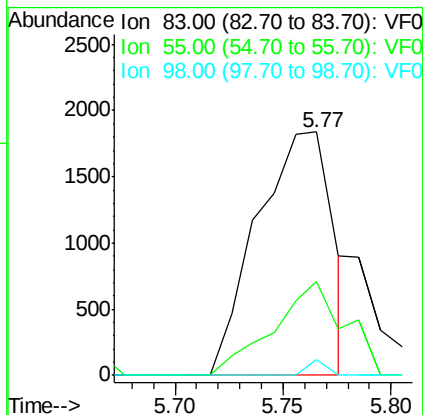
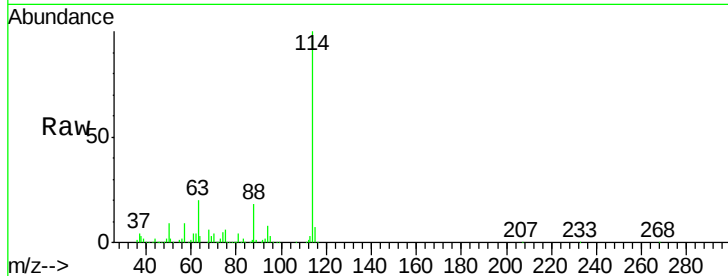




#39
Methvlcvclohexane
Concen: 1.375 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.14 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

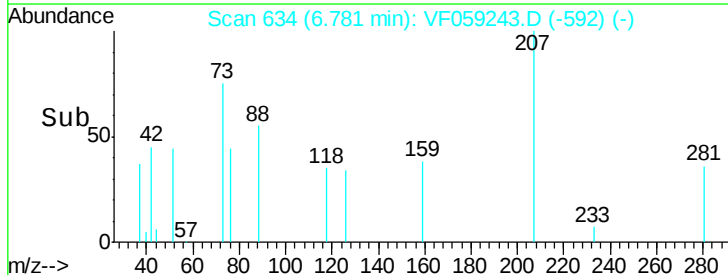
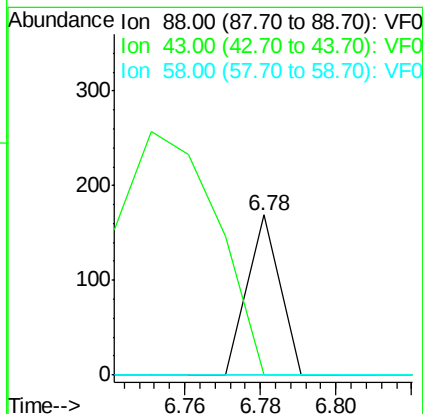
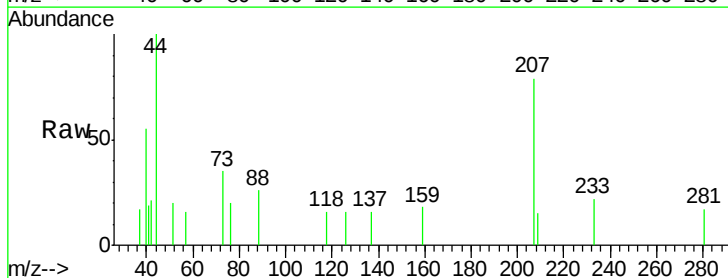
Instrument :
MSVOA_F
ClientSampled :

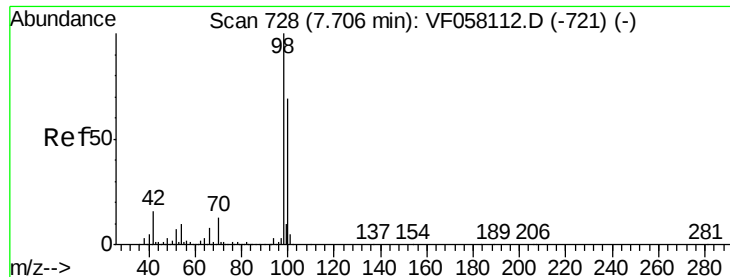
Tot Ion: 83 Resp: 4485
Ion Ratio Lower Upper
83 100
55 38.3 71.0 106.4#
98 6.5 38.1 57.1#



#49
1,4-Dioxane
Concen: 20.564 ug/l
RT: 6.78 min Scan# 634
Delta R.T. -0.09 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#

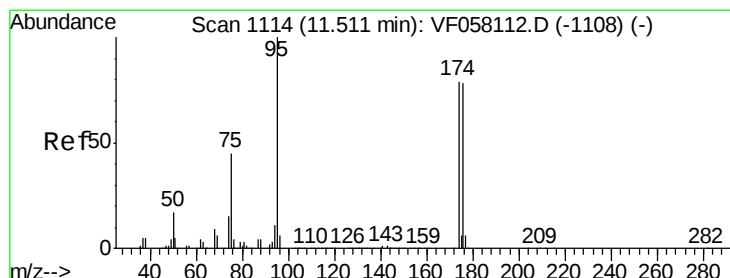
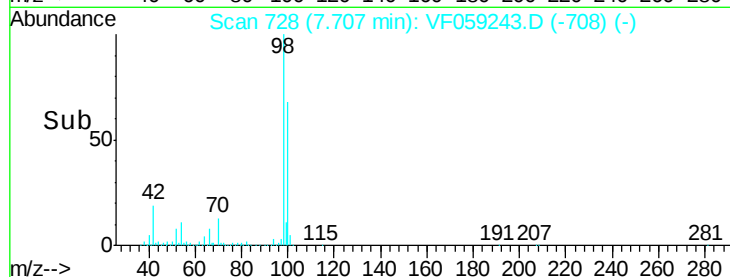
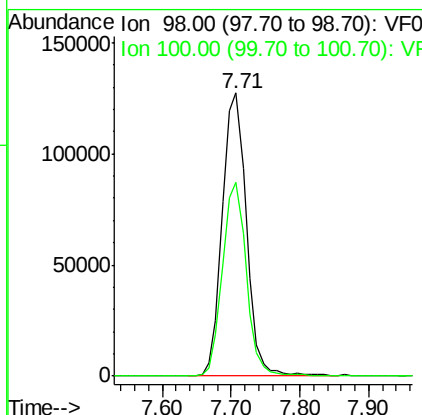
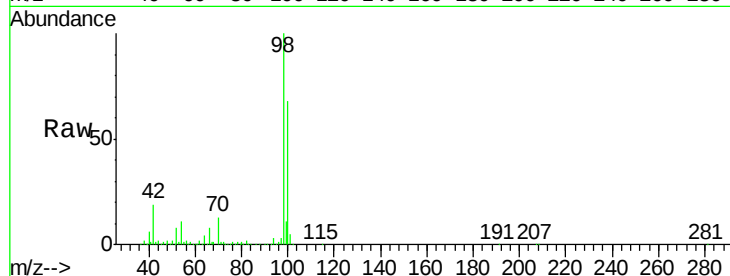




#50
Toluene-d8
Concen: 45.787 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

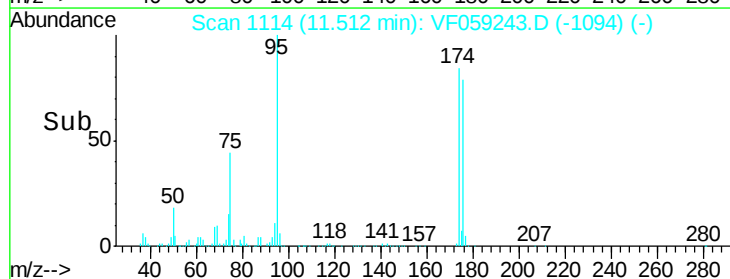
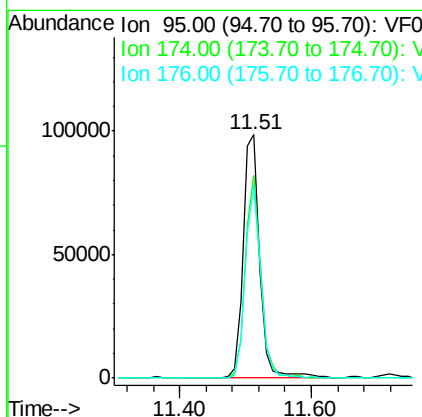
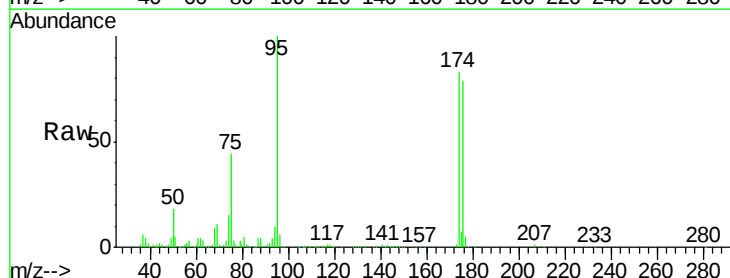
Instrument :
MSVOA_F
ClientSampleId :

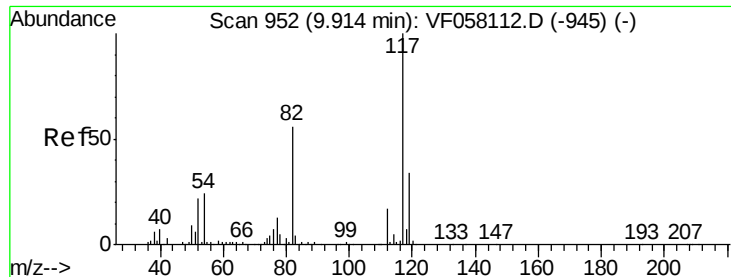
Tot Ion: 98 Resp: 311500
Ion Ratio Lower Upper
98 100
100 68.3 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 50.066 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Tgt Ion: 95 Resp: 174700
Ion Ratio Lower Upper
95 100
174 83.4 0.0 157.8
176 79.0 0.0 155.8

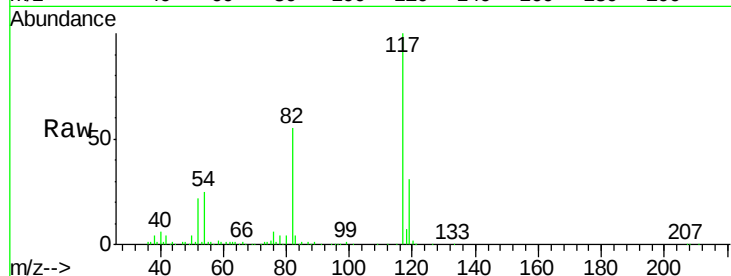




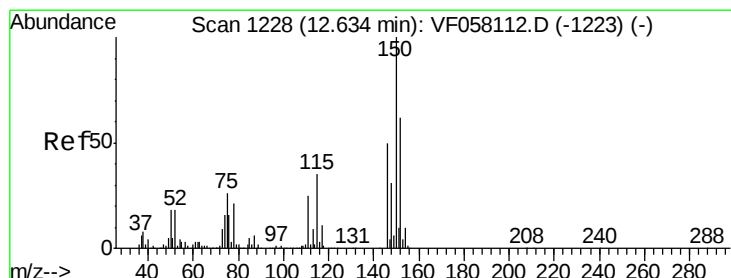
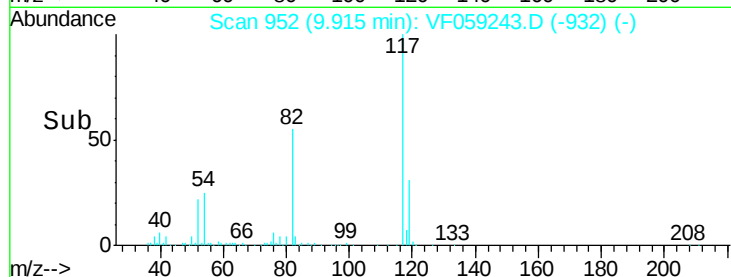
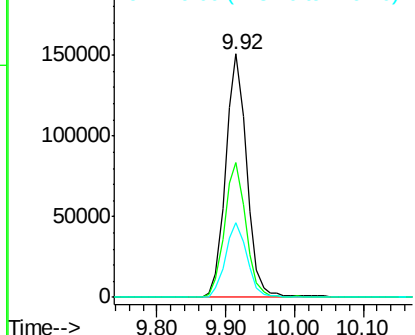
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 320285
Ion Ratio Lower Upper
117 100
82 55.3 45.2 67.8
119 30.7 27.5 41.3

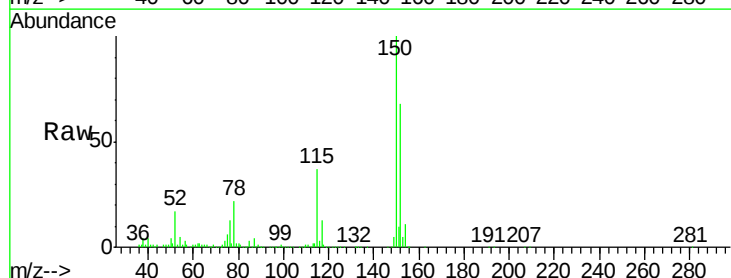


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

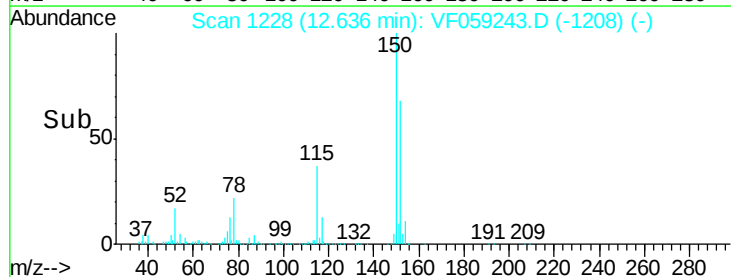
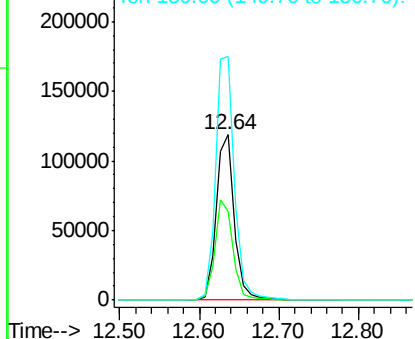


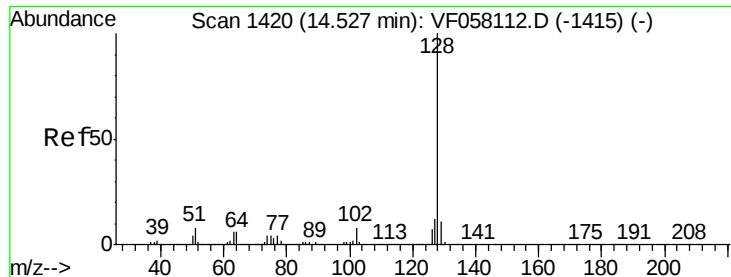
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Tgt Ion:152 Resp: 191367
Ion Ratio Lower Upper
152 100
115 53.9 28.5 85.5
150 147.4 0.0 323.8



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

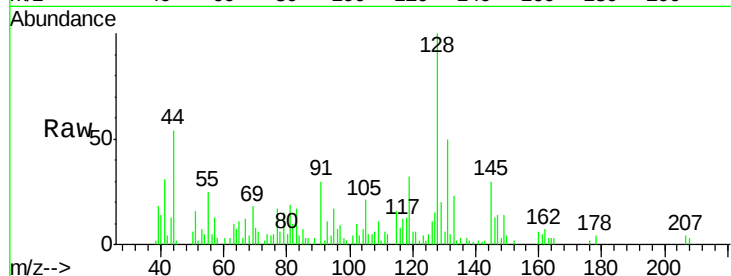




#95
Naphthalene
Concen: 1.570 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059243.D
Acq: 20 Jun 2018 23:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	9.9	14.9#
129	19.7	8.7	13.1#



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

