

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059343.D
 Acq On : 27 Jun 2018 17:09
 Operator : VA/AP
 Sample : J3677-03
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 28 01:43:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	212458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	328469	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	318889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	181308	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	14233	5.19	ug/l	0.00
Spiked Amount			Recovery	=	10.38%	
35) Dibromofluoromethane	4.28	113	13129	5.47	ug/l	0.00
Spiked Amount			Recovery	=	10.94%	
50) Toluene-d8	7.70	98	26555	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
62) 4-Bromofluorobenzene	11.50	95	14741	4.40	ug/l	0.00
Spiked Amount			Recovery	=	8.80%	

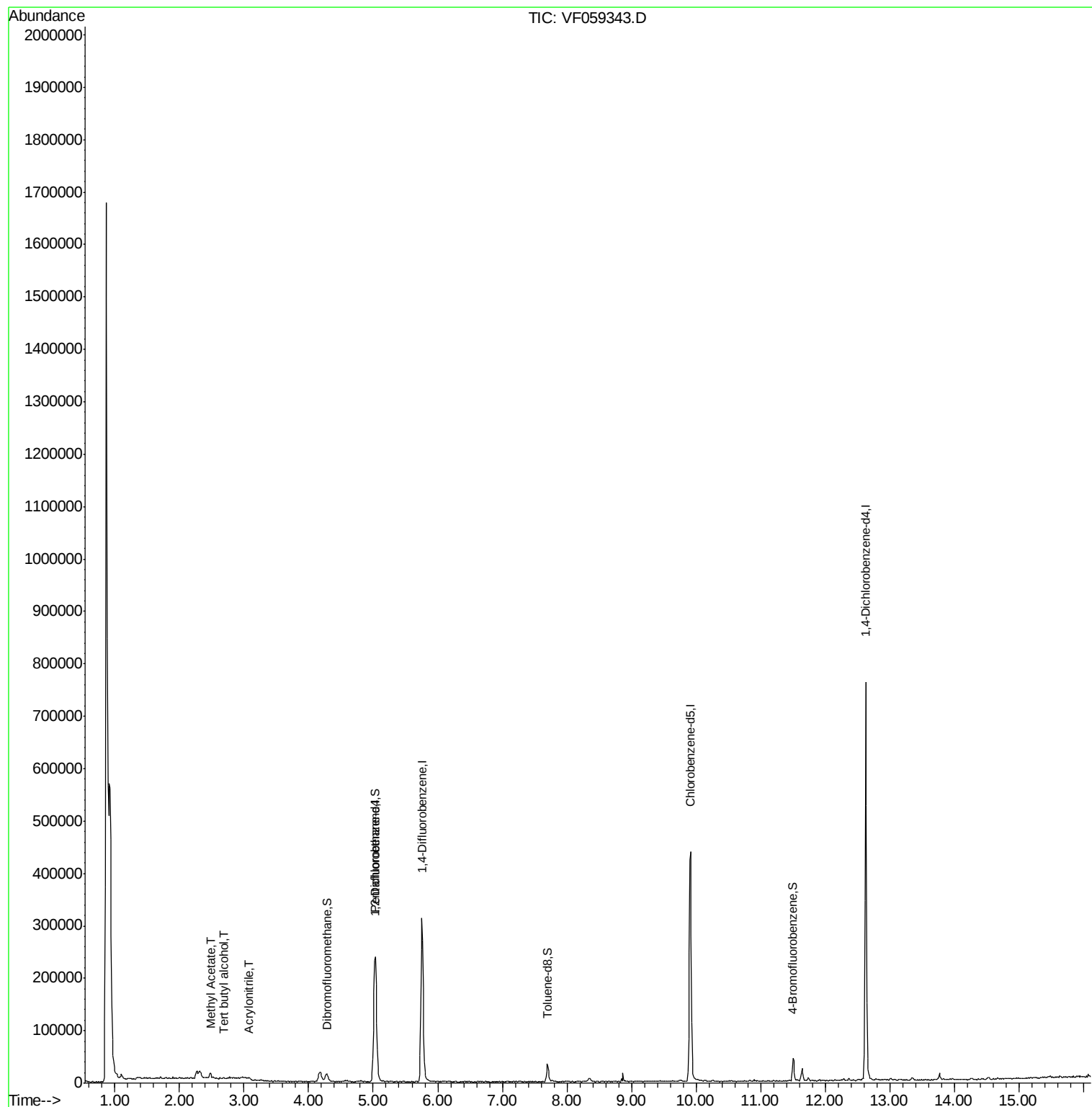
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.32	94	167	Below Cal	#	4
11) Tert butyl alcohol	2.69	59	675	3.694	ug/l #	66
13) Acrolein	2.10	56	220	Below Cal		84
15) Acrylonitrile	3.07	53	346	1.075	ug/l #	54
16) Acetone	2.47	43	4474	Below Cal		97
18) Methyl Acetate	2.47	43	6178	3.914	ug/l #	79
20) Methylene Chloride	2.26	84	6962	Below Cal		93
25) 2-Butanone	4.52	43	304	Below Cal	#	59
29) Tetrahydrofuran	4.27	42	1216	Below Cal	#	46
37) Ethyl Acetate	4.26	43	755	Below Cal	#	71
49) 1,4-Dioxane	6.83	88	99	Below Cal	#	20
59) 2-Hexanone	9.56	43	561	Below Cal		90
87) 1,3-Dichlorobenzene	12.55	146	350	Below Cal		91

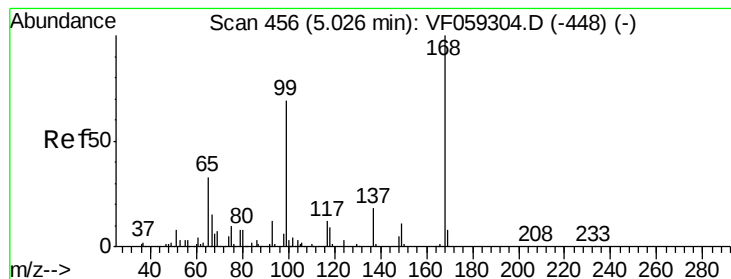
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062718\
Data File : VF059343.D
Acq On : 27 Jun 2018 17:09
Operator : VA/AP
Sample : J3677-03
Misc : 5.02g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 28 01:43:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

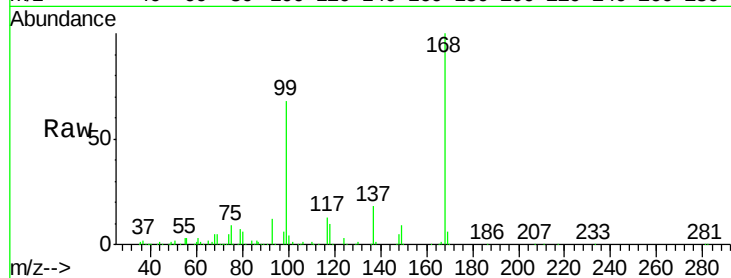
ClientSampled :

Tot Ion:168 Resp: 212458

Ion Ratio Lower Upper

168 100

99 68.3 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

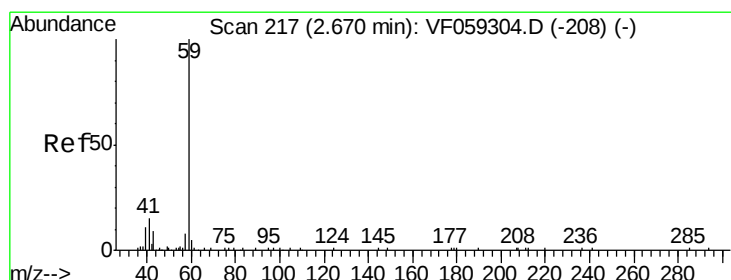
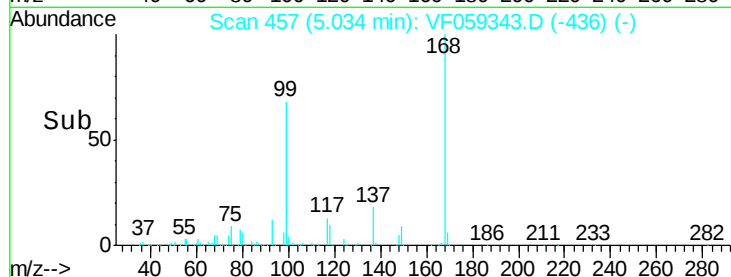
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 3.694 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.02 min

Lab File: VF059343.D

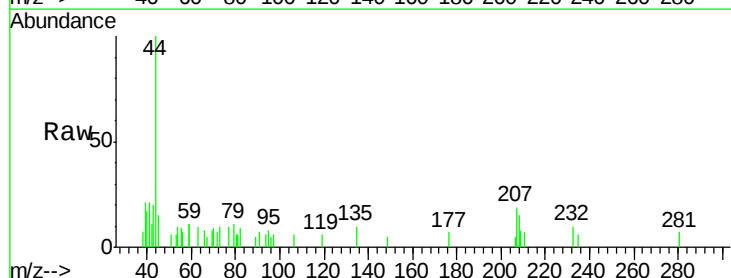
Acq: 27 Jun 2018 17:09

Tgt Ion: 59 Resp: 675

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

500

400

300

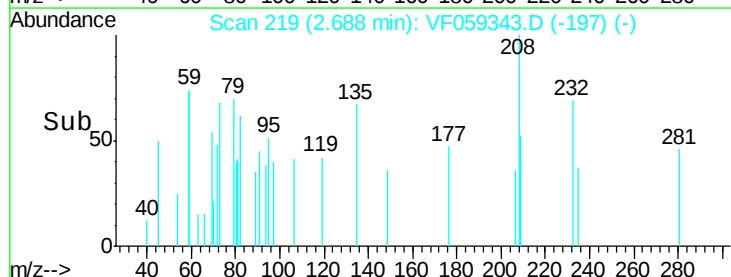
200

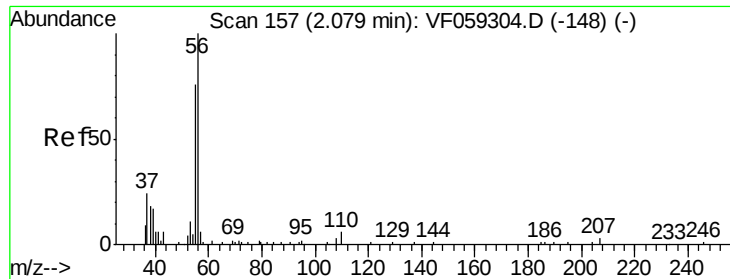
100

0

Time-->

2.65 2.70 2.75

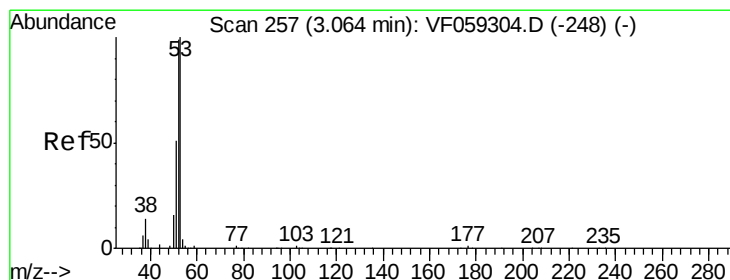
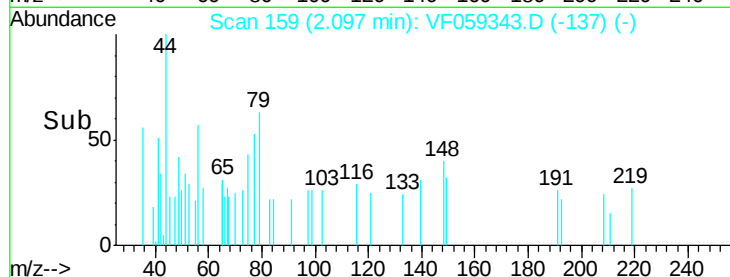
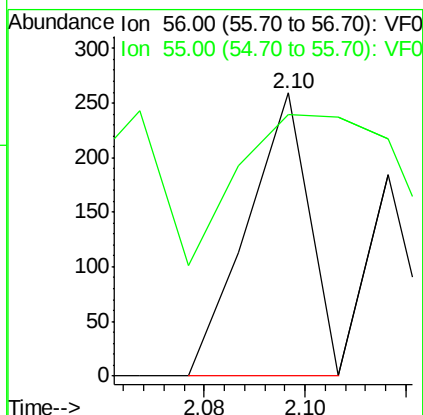
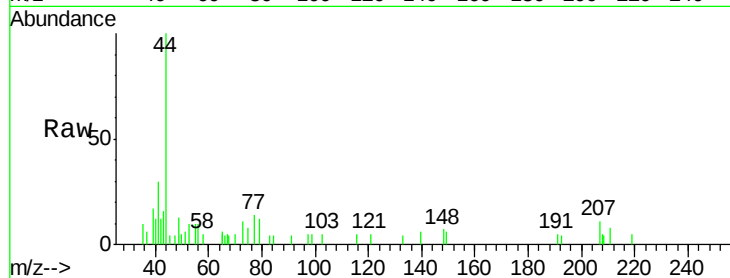




#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.02 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

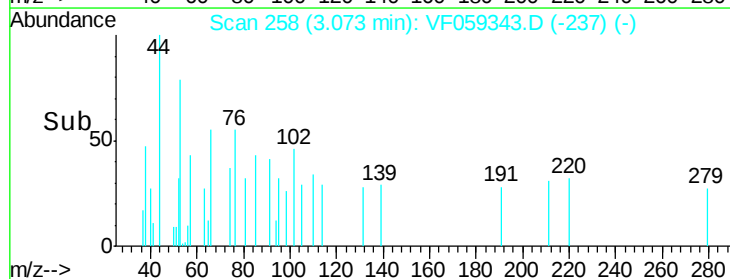
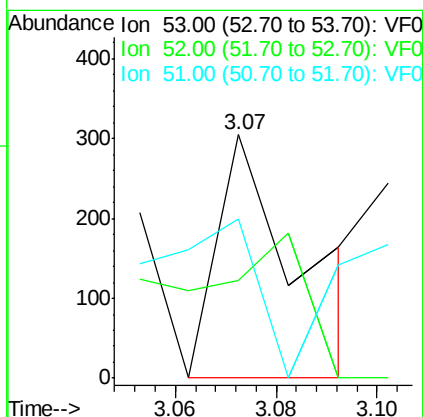
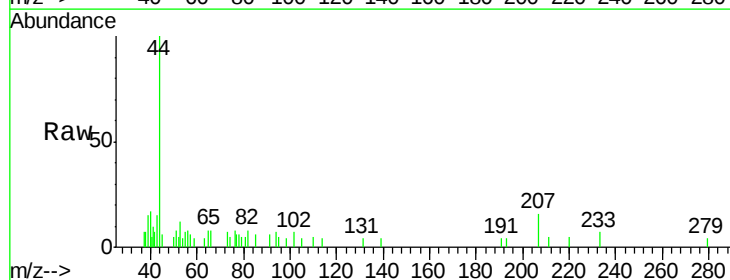
Instrument :
MSVOA_F
ClientSampleId :

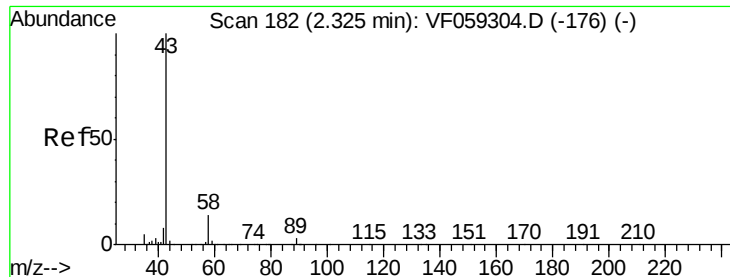
Tot Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 92.3 62.4 93.6



#15
Acrylonitrile
Concen: 1.075 ug/l
RT: 3.07 min Scan# 258
Delta R.T. 0.01 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion: 53 Resp: 346
Ion Ratio Lower Upper
53 100
52 40.0 79.2 118.8#
51 65.2 40.9 61.3#





#16

Acetone

Concen: Below Cal

RT: 2.47 min Scan# 197

Delta R.T. 0.15 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

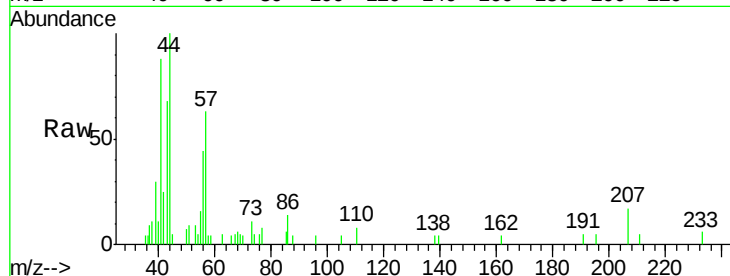
ClientSampleId :

Tot Ion: 43 Resp: 4474

Ion Ratio Lower Upper

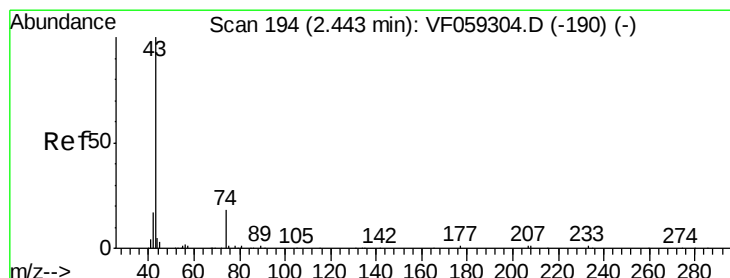
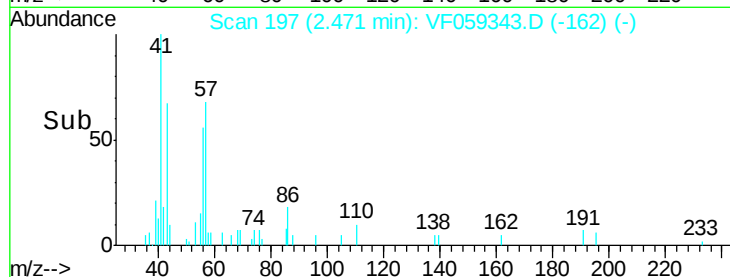
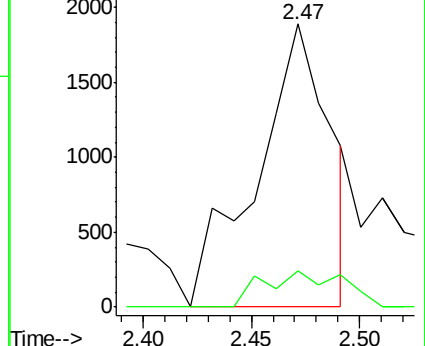
43 100

58 12.9 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 3.914 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059343.D

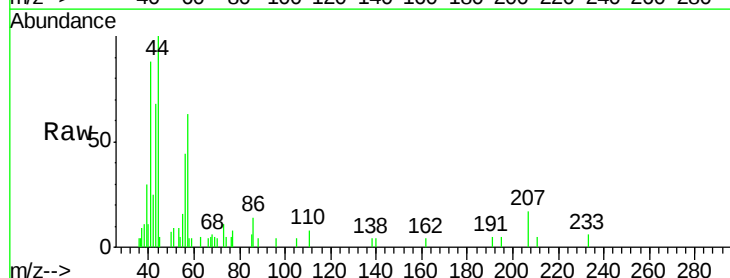
Acq: 27 Jun 2018 17:09

Tgt Ion: 43 Resp: 6178

Ion Ratio Lower Upper

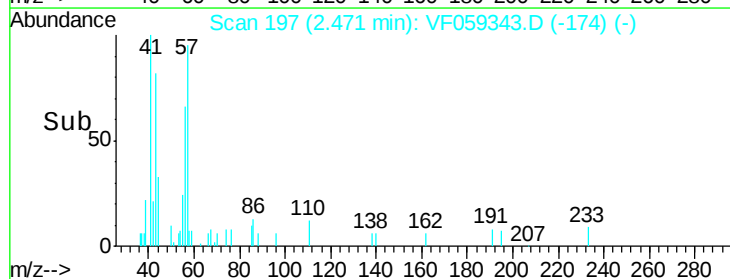
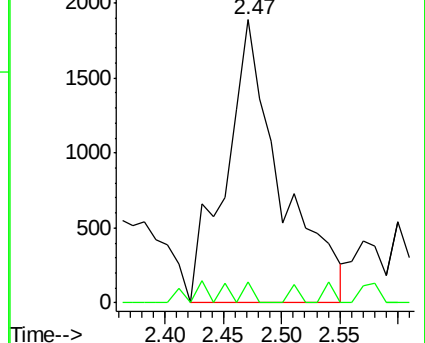
43 100

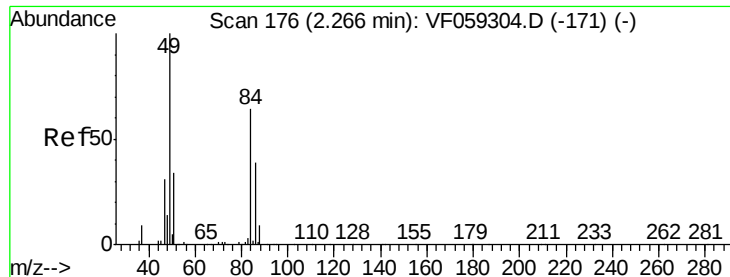
74 7.5 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

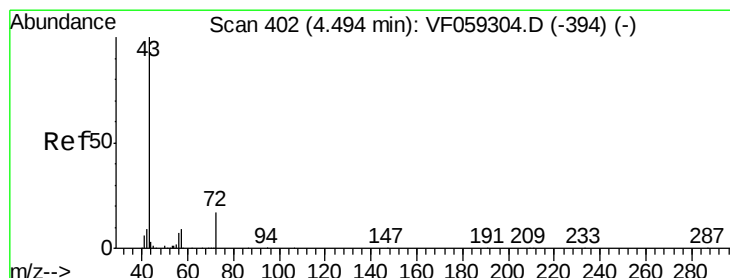
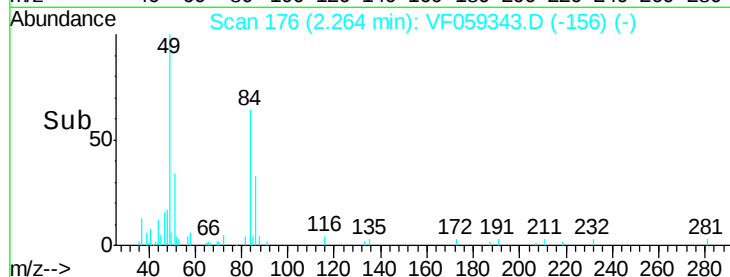
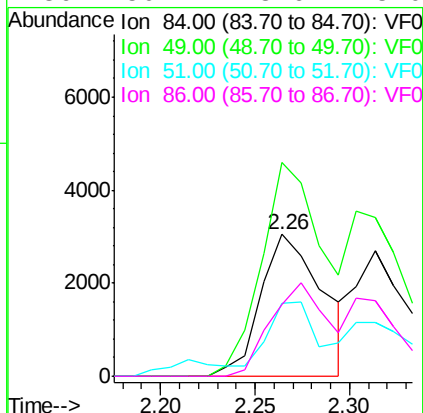
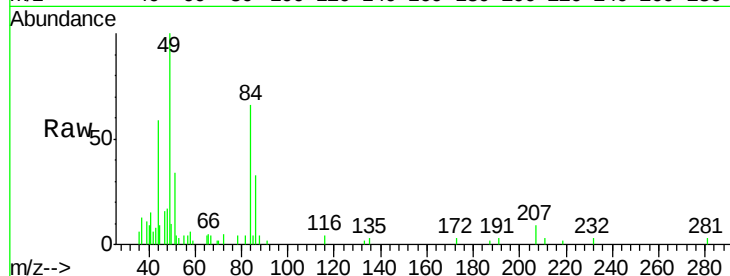




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

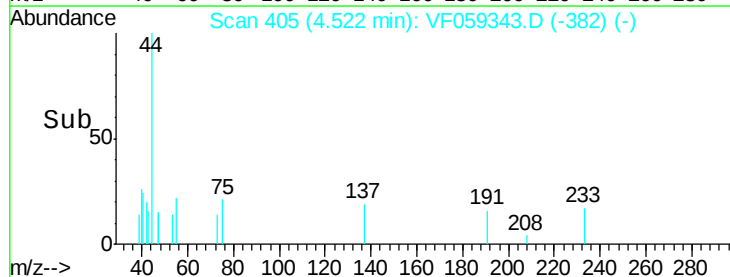
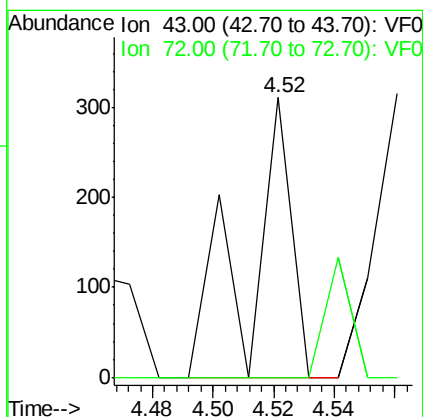
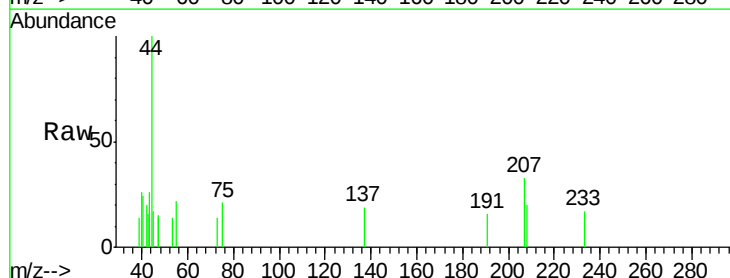
Instrument :
MSVOA_F
ClientSampled :

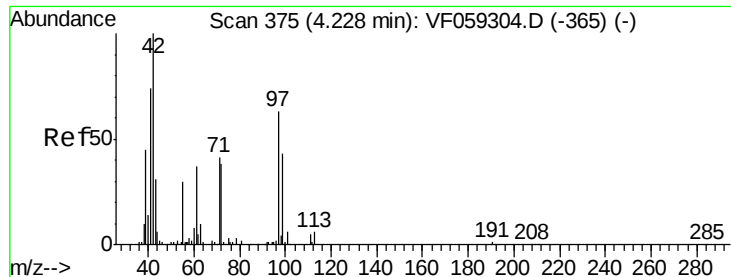
Tot Ion: 84 Resp: 6962
Ion Ratio Lower Upper
84 100
49 150.9 126.5 189.7
51 57.0 42.9 64.3
86 50.2 48.6 73.0



#25
2-Butanone
Concen: Below Cal
RT: 4.52 min Scan# 405
Delta R.T. 0.03 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
72 0.0 14.4 21.6#

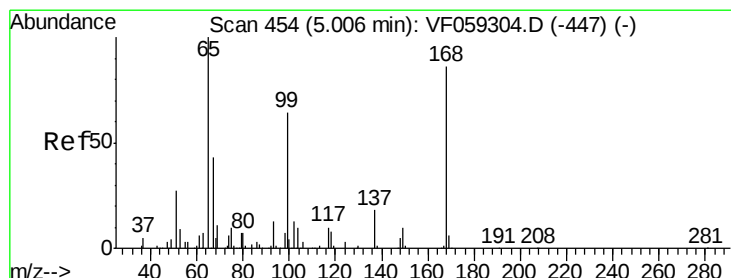
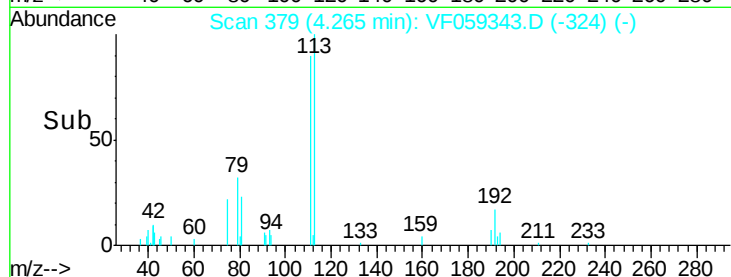
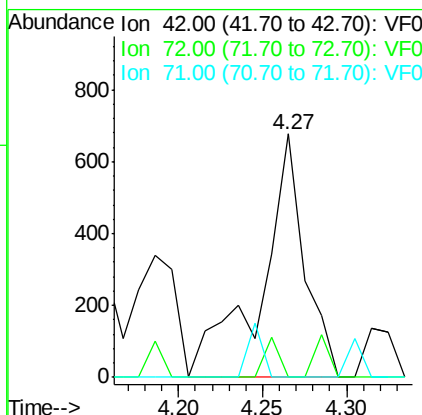
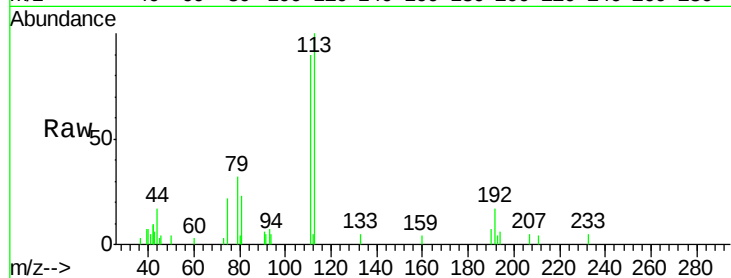




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. 0.04 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

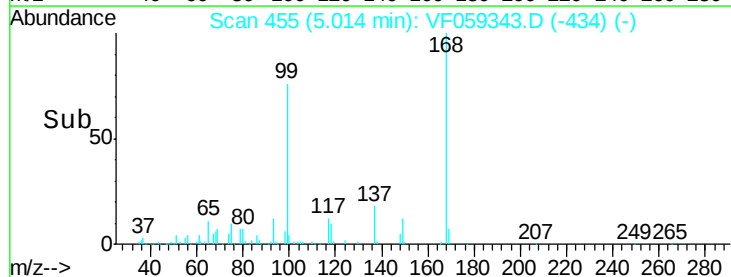
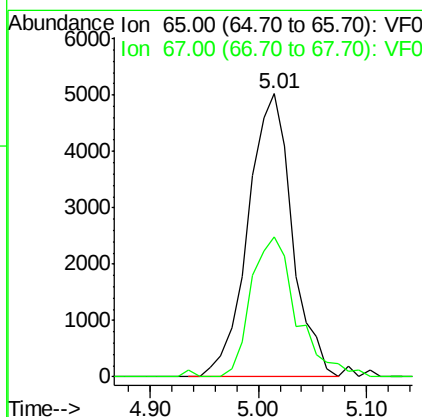
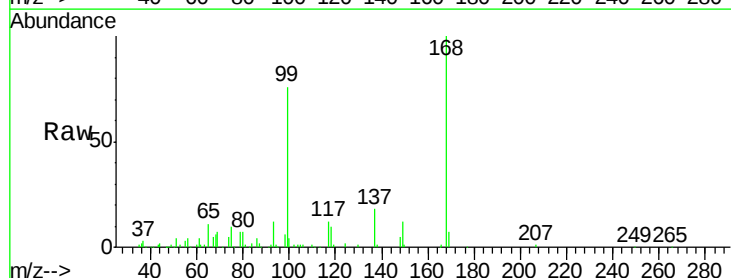
Instrument :
MSVOA_F
ClientSampleId :

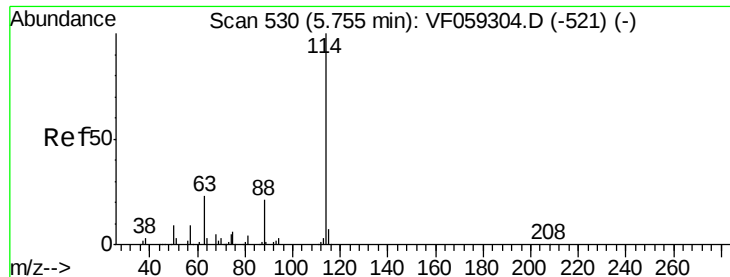
Tot Ion: 42 Resp: 1216
Ion Ratio Lower Upper
42 100
72 5.4 30.5 45.7#
71 7.3 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 5.185 ug/l
RT: 5.01 min Scan# 455
Delta R.T. 0.01 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion: 65 Resp: 14233
Ion Ratio Lower Upper
65 100
67 49.6 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

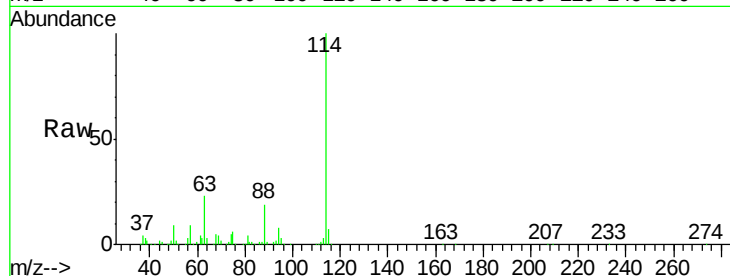
Tot Ion:114 Resp: 328469

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

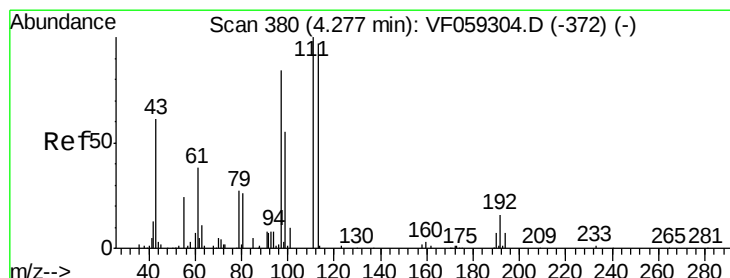
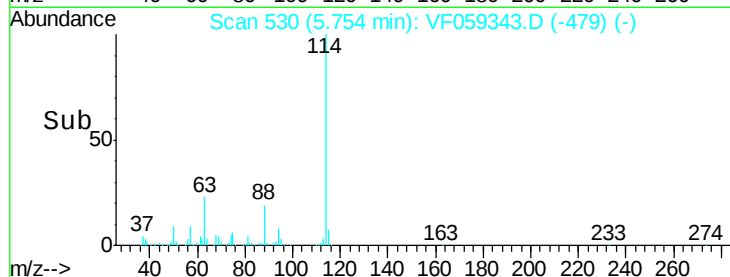
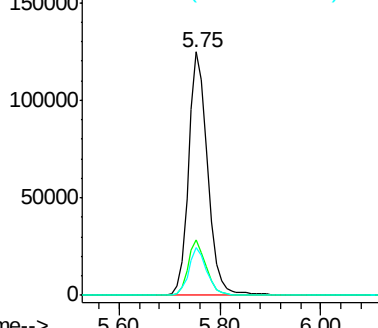
88 19.4 0.0 41.2



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: 5.470 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

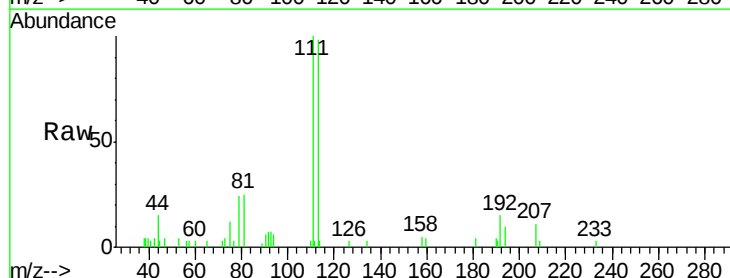
Tgt Ion:113 Resp: 13129

Ion Ratio Lower Upper

113 100

111 104.3 82.1 123.1

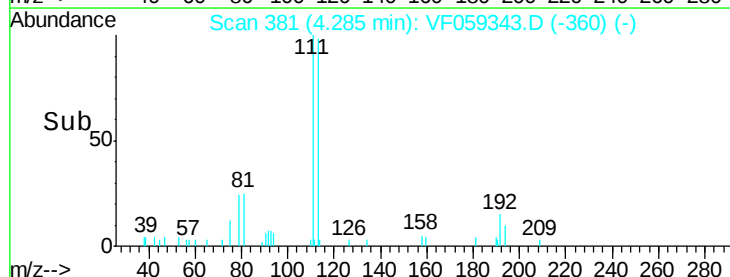
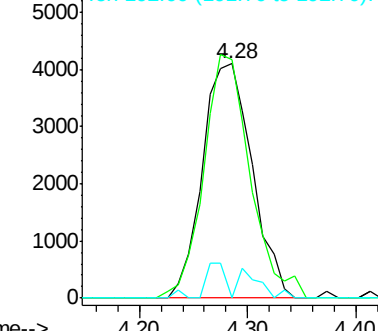
192 0.0 13.0 19.6#

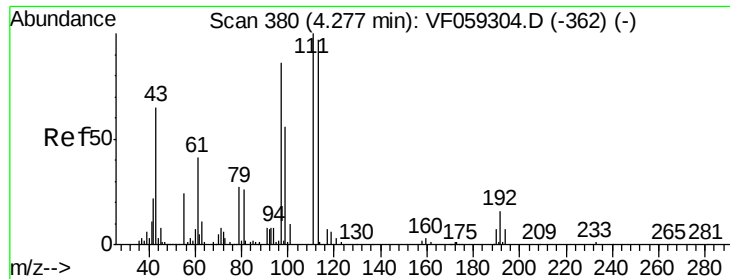


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

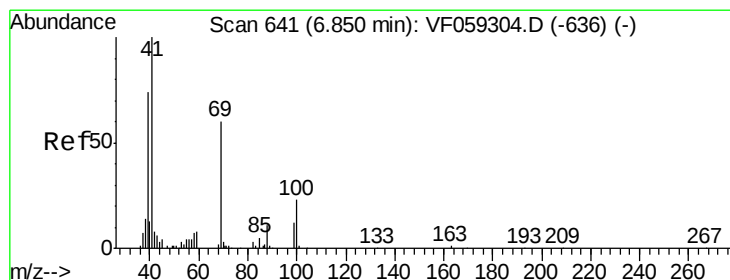
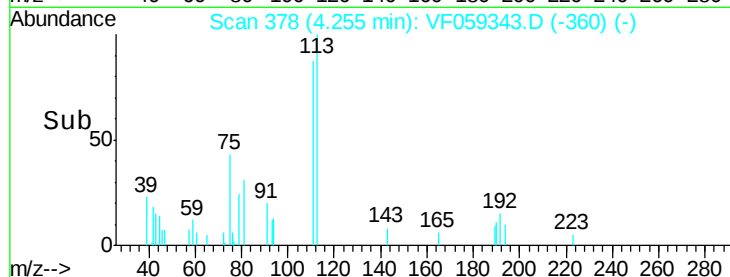
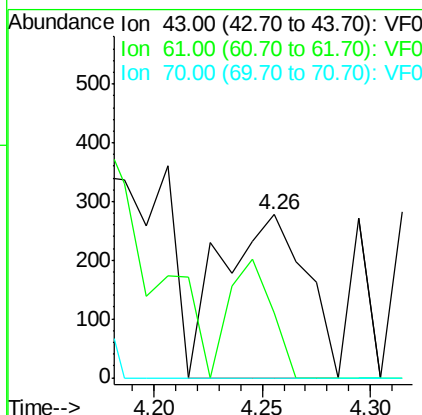
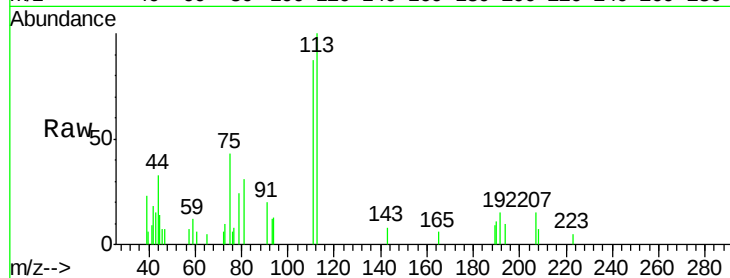




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

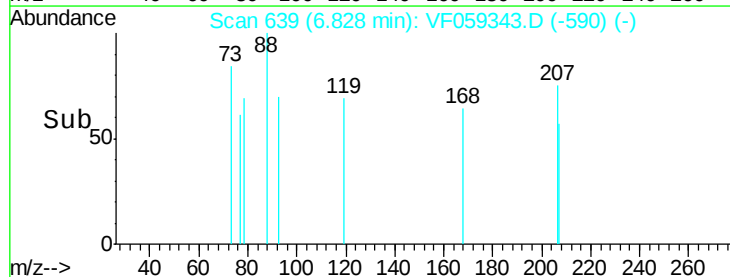
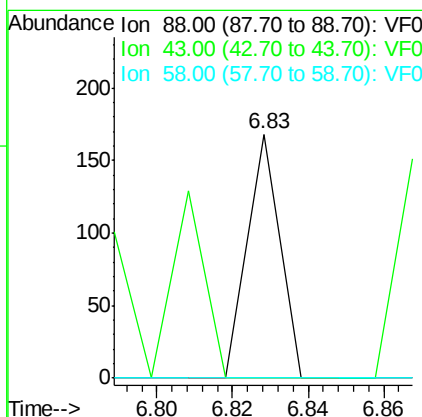
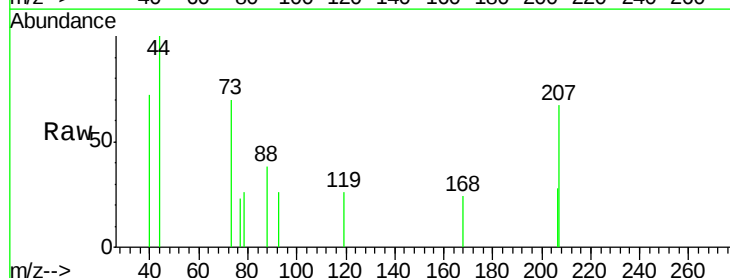
Instrument :
MSVOA_F
ClientSampleId :

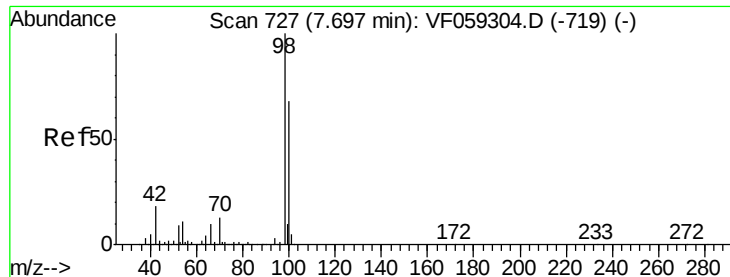
Tot Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
61 39.7 50.1 75.1#
70 0.0 6.2 9.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.83 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 0.0 50.6 75.8#
58 0.0 46.6 69.8#

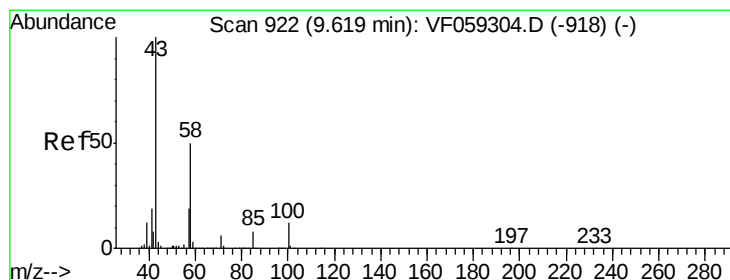
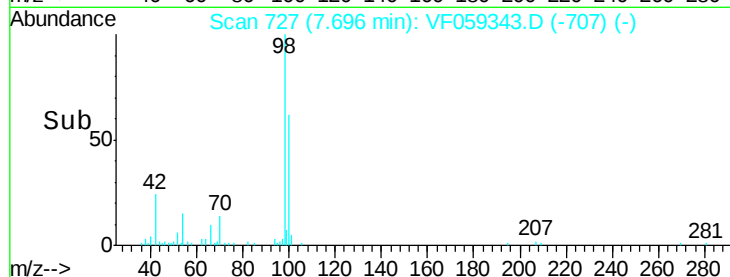
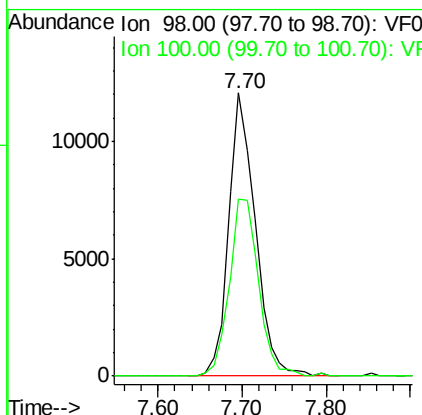
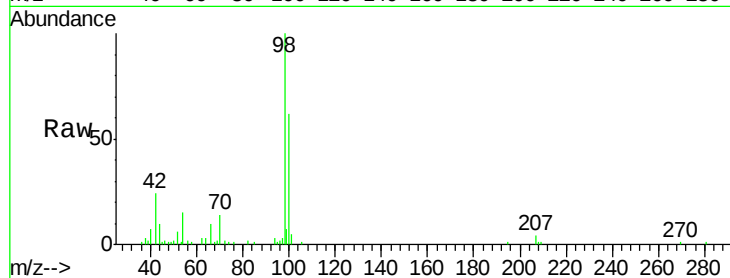




#50
Toluene-d8
Concen: 4.469 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

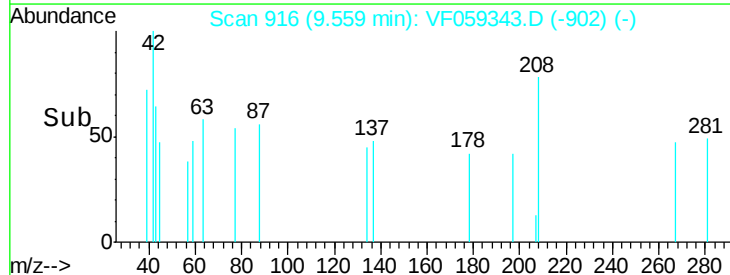
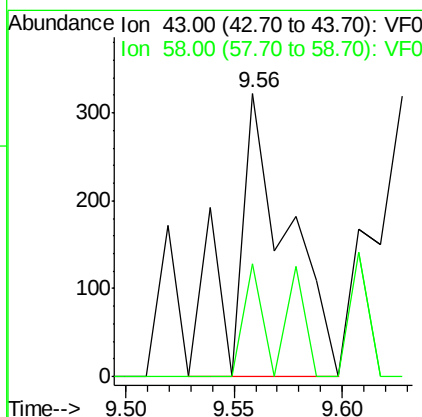
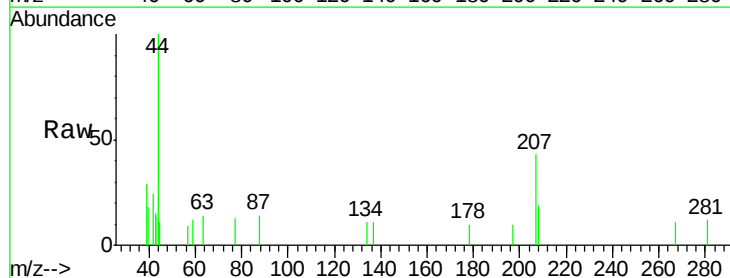
Instrument :
MSVOA_F
ClientSampled :

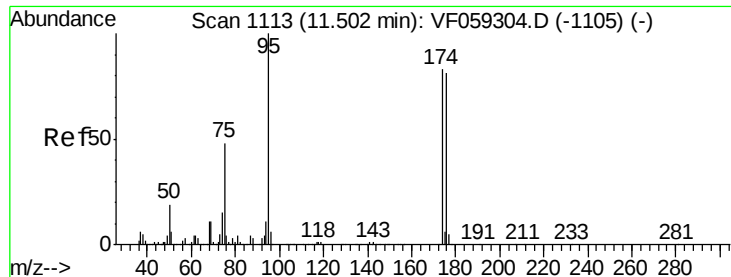
Tot Ion: 98 Resp: 26555
Ion Ratio Lower Upper
98 100
100 62.5 54.6 82.0



#59
2-Hexanone
Concen: Below Cal
RT: 9.56 min Scan# 916
Delta R.T. -0.06 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion: 43 Resp: 561
Ion Ratio Lower Upper
43 100
58 39.8 23.3 69.9





#62

4-Bromofluorobenzene

Concen: 4.398 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

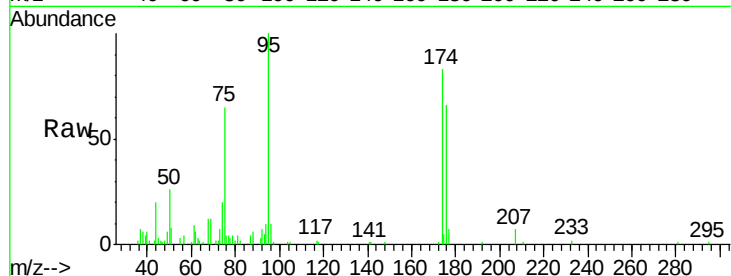
Tot Ion: 95 Resp: 14741

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.2

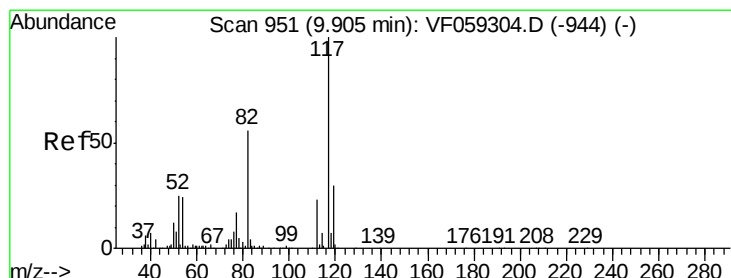
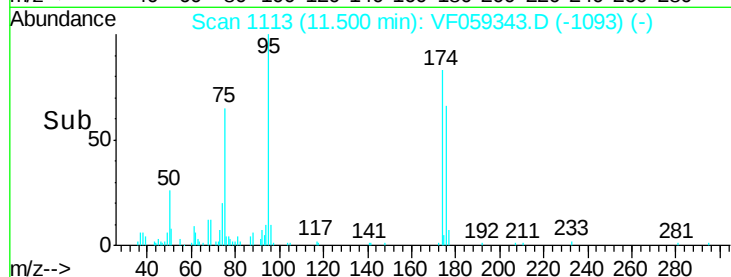
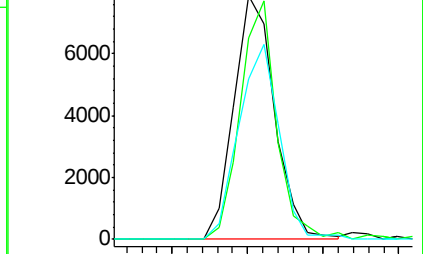
176 65.7 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

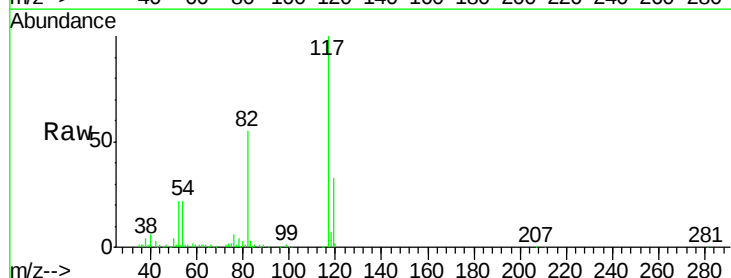
Tgt Ion: 117 Resp: 318889

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

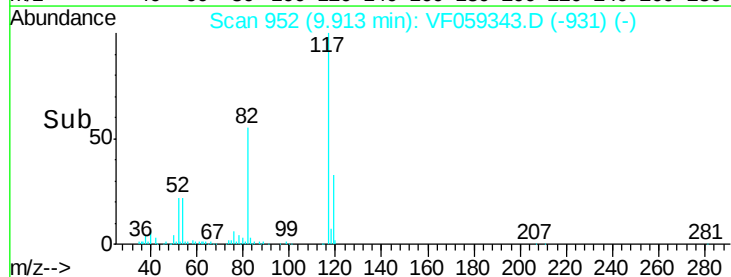
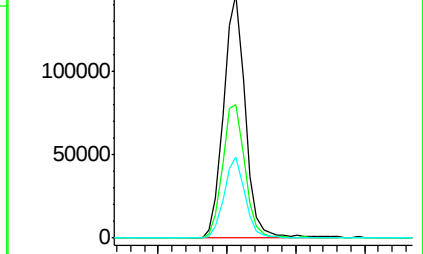
119 33.2 24.1 36.1

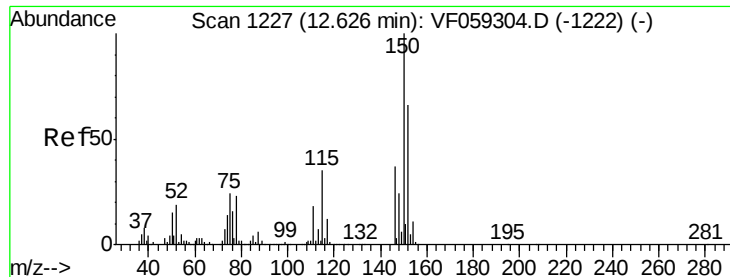


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



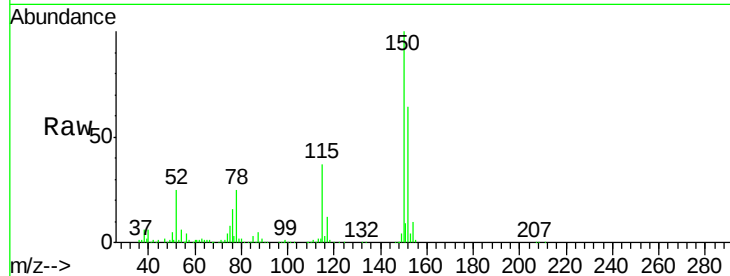


#72

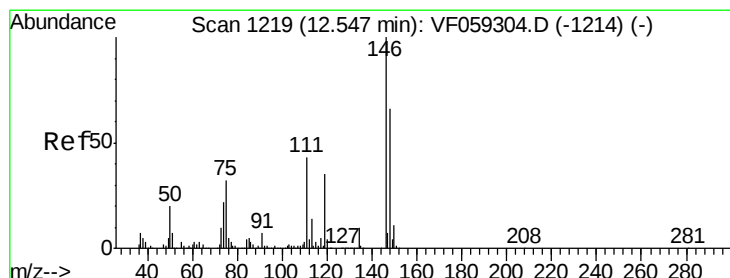
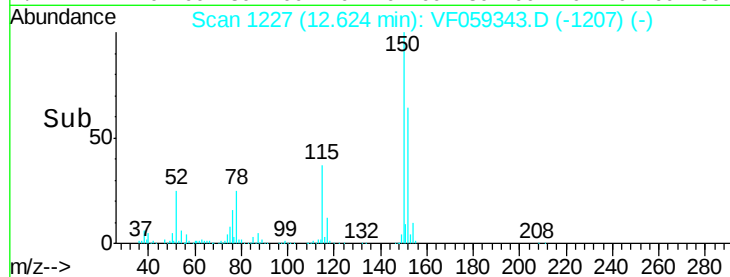
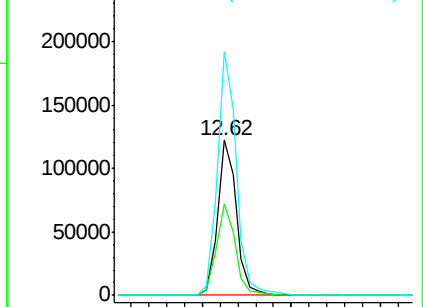
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:152 Resp: 181308
Ion Ratio Lower Upper
152 100
115 58.8 27.1 81.3
150 157.3 0.0 305.2



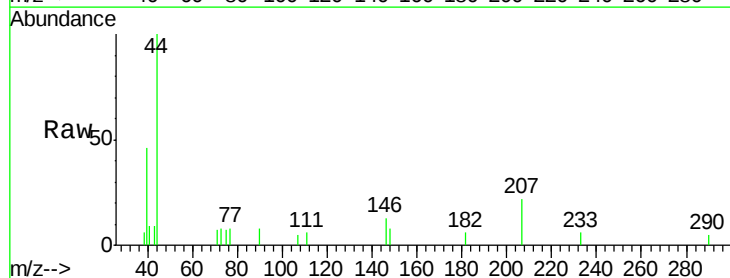
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#87

1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.55 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion:146 Resp: 350
Ion Ratio Lower Upper
146 100
111 48.8 21.4 64.2
148 58.5 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

