

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062143.D
 Acq On : 26 Mar 2019 13:45
 Operator : VA/AP
 Sample : VF0326SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	286934	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	432157	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	376398	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	219336	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	118971	55.74	ug/l	-0.06
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	4.09	113	175788	60.13	ug/l	-0.06
Spiked Amount			Recovery	=	120.26%	
50) Toluene-d8	7.53	98	471093	53.99	ug/l	-0.06
Spiked Amount			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	11.40	95	197125	58.51	ug/l	-0.04
Spiked Amount			Recovery	=	117.02%	

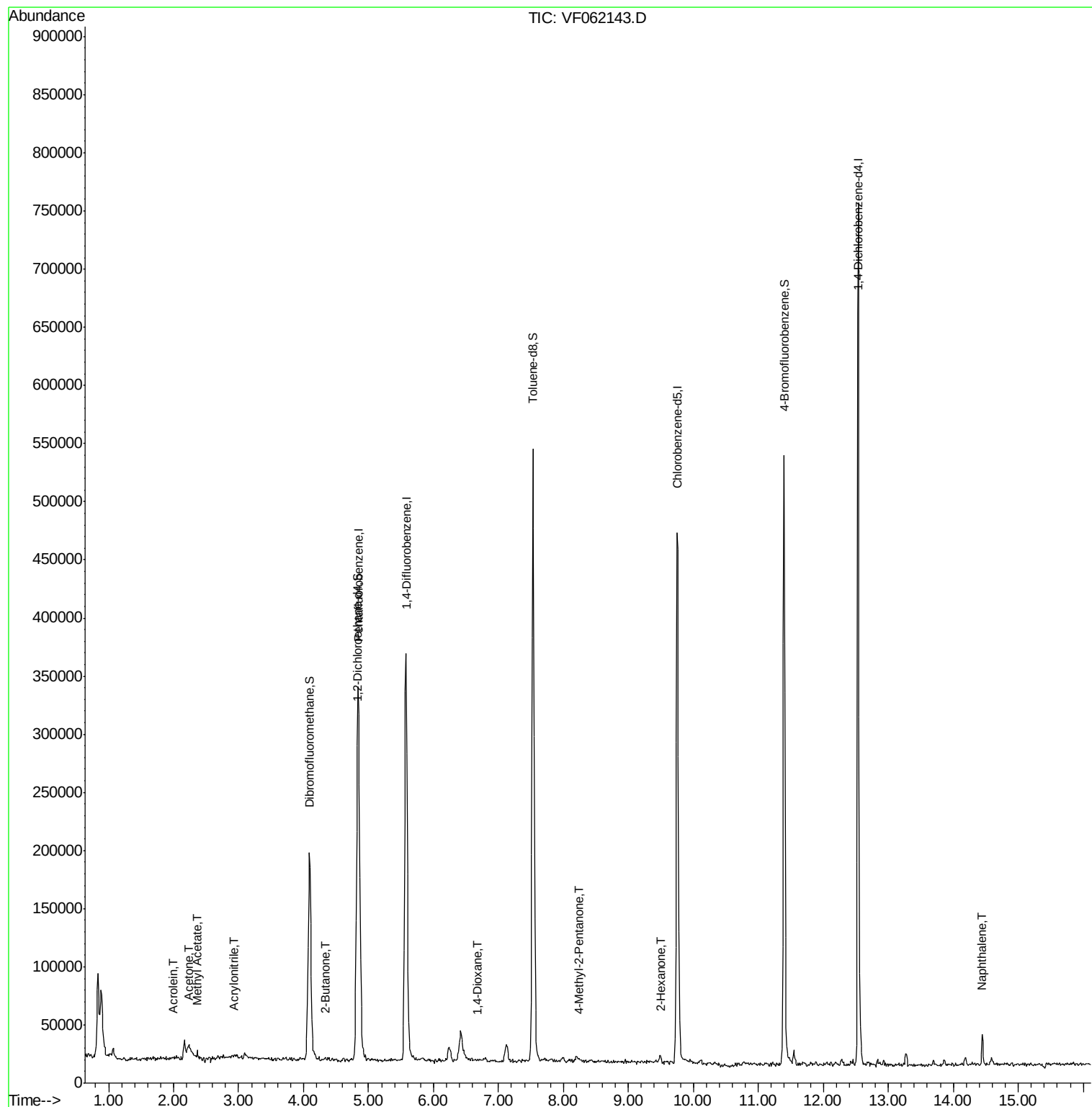
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	509	3.605	ug/l	90
15) Acrylonitrile	2.95	53	1466	3.550	ug/l #	62
16) Acetone	2.23	43	1868	4.159	ug/l #	74
18) Methyl Acetate	2.37	43	2198	2.051	ug/l #	56
20) Methylene Chloride	2.17	84	6371	Below Cal		93
25) 2-Butanone	4.33	43	1164	1.241	ug/l #	55
49) 1,4-Dioxane	6.69	88	62	5.696	ug/l #	25
51) 4-Methyl-2-Pentanone	8.24	43	2807	1.925	ug/l #	47
59) 2-Hexanone	9.48	43	3731	3.491	ug/l	86
95) Naphthalene	14.44	128	9791	1.219	ug/l #	91

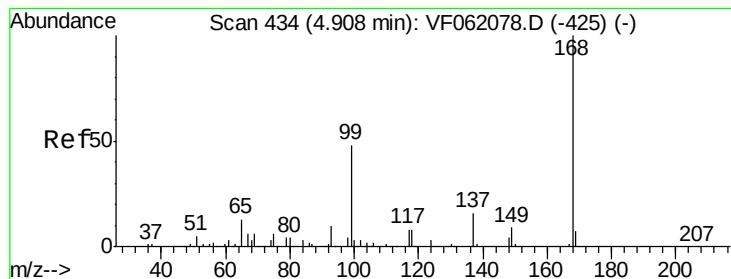
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 27 05:14:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062143.D

Acq: 26 Mar 2019 13:45

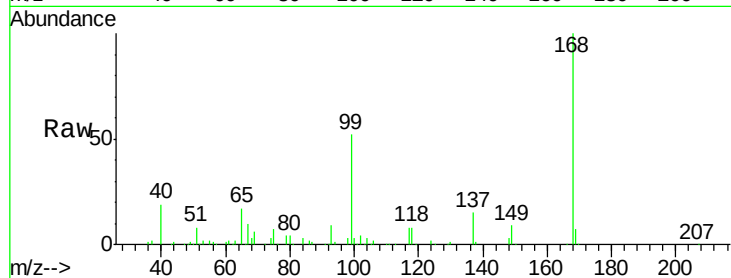
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 286934

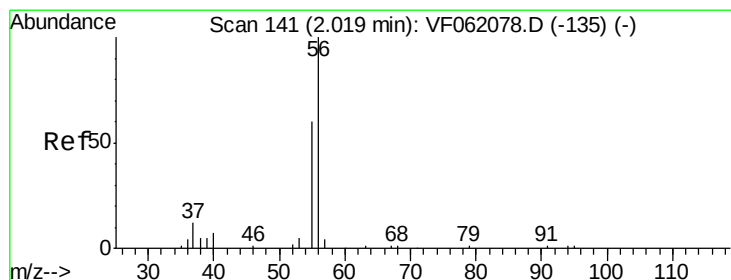
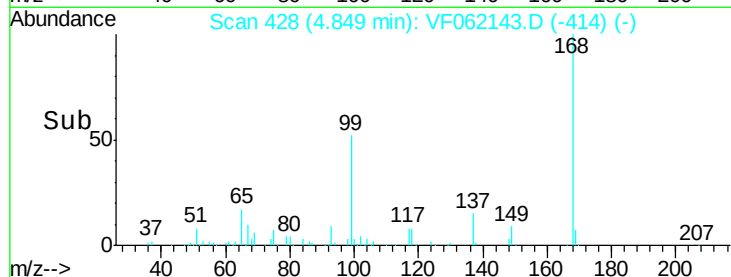
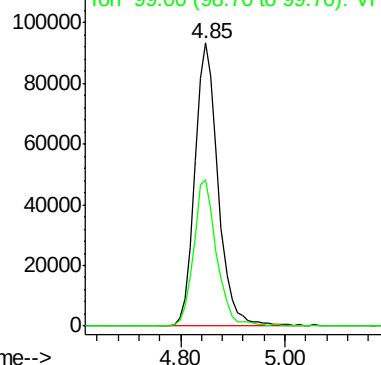
Ion Ratio Lower Upper

168 100

99 51.9 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#13

Acrolein

Concen: 3.605 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062143.D

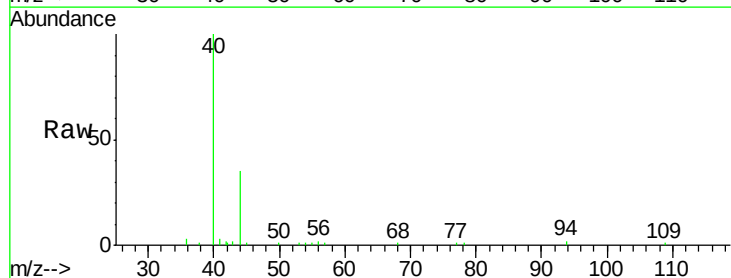
Acq: 26 Mar 2019 13:45

Tgt Ion: 56 Resp: 509

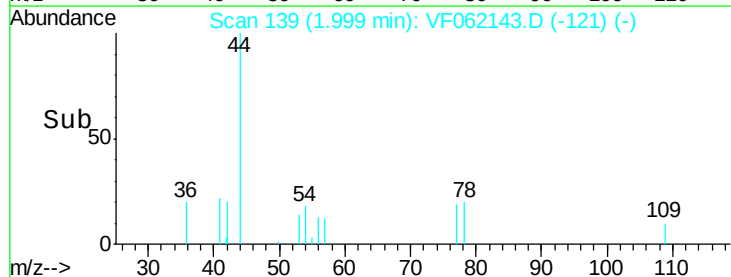
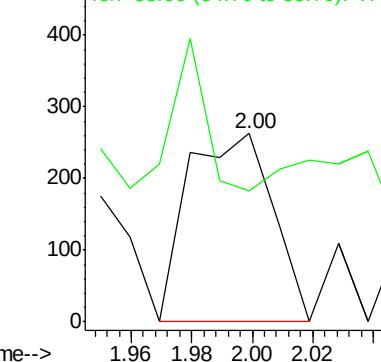
Ion Ratio Lower Upper

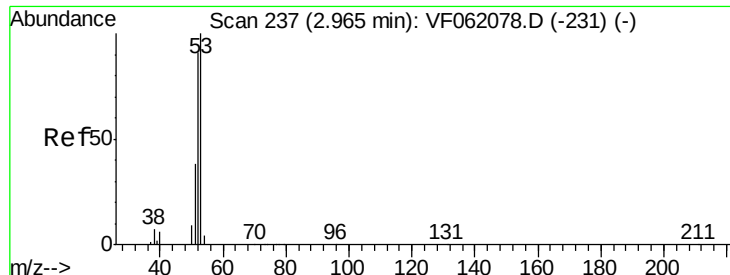
56 100

55 69.2 49.0 73.4



Abundance Ion 56.00 (55.70 to 56.70): VF0





#15

Acrylonitrile

Concen: 3.550 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF062143.D

Acq: 26 Mar 2019 13:45

Instrument :
MSVOA_F
ClientSampleId :

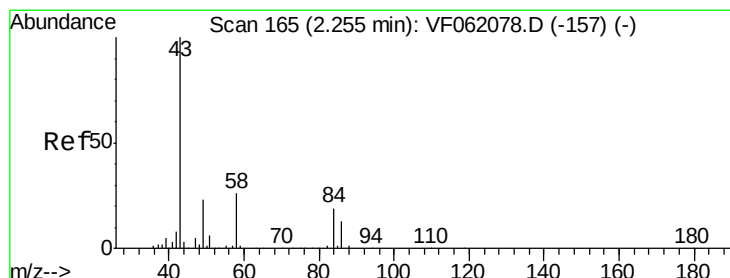
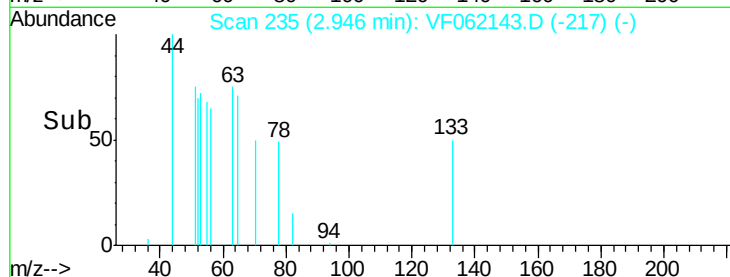
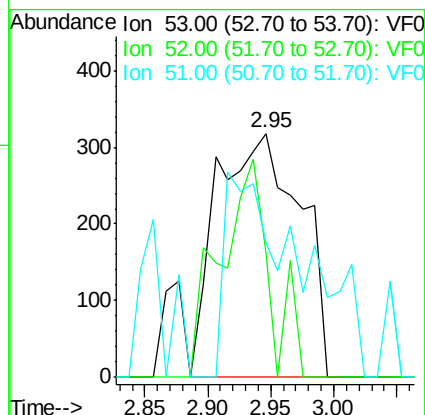
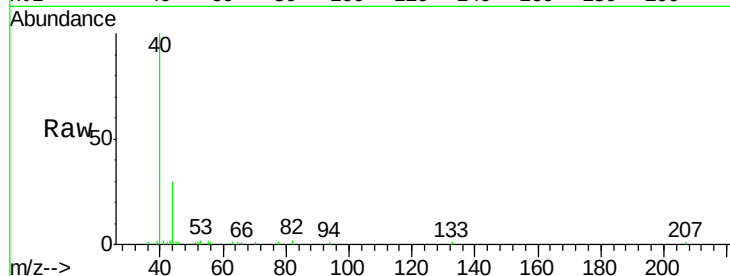
Tot Ion: 53 Resp: 1466

Ion Ratio Lower Upper

53 100

52 50.9 72.3 108.5#

51 55.0 30.4 45.6#



#16

Acetone

Concen: 4.159 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF062143.D

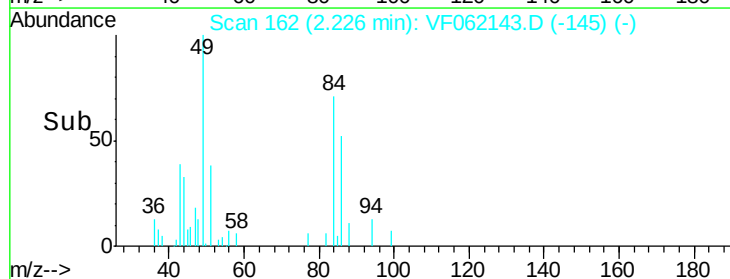
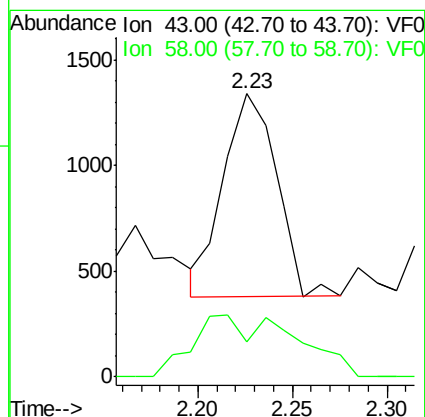
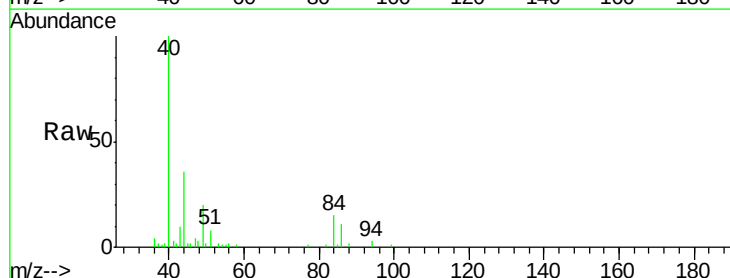
Acq: 26 Mar 2019 13:45

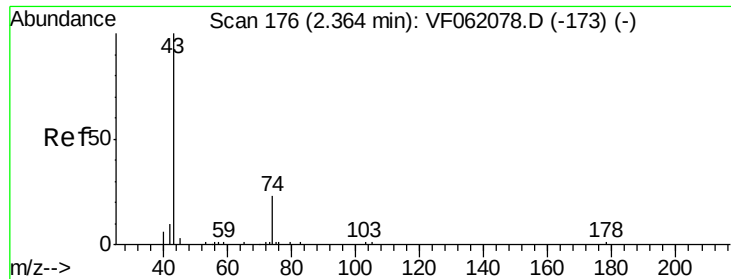
Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

58 12.6 20.8 31.2#

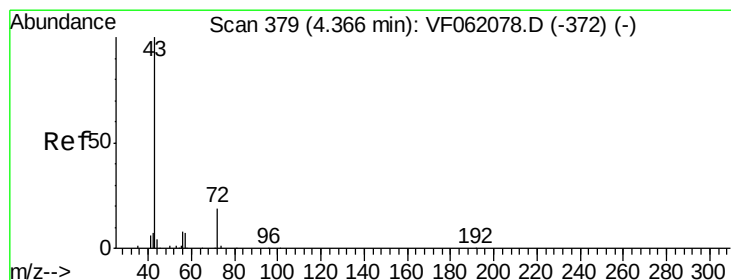
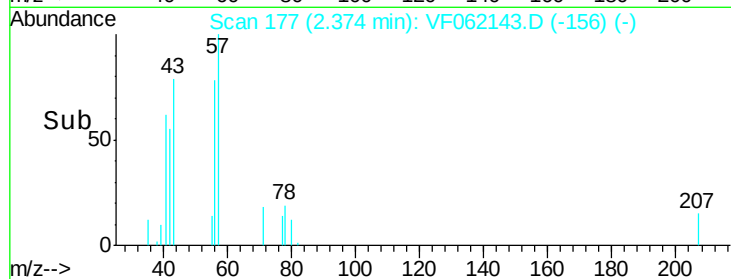
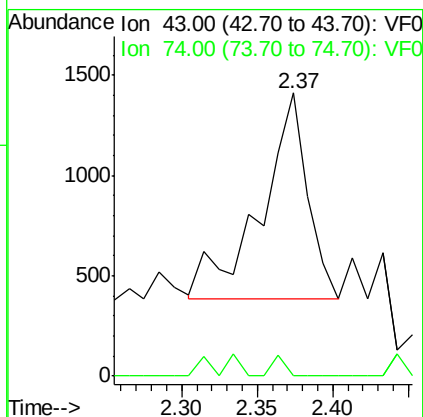
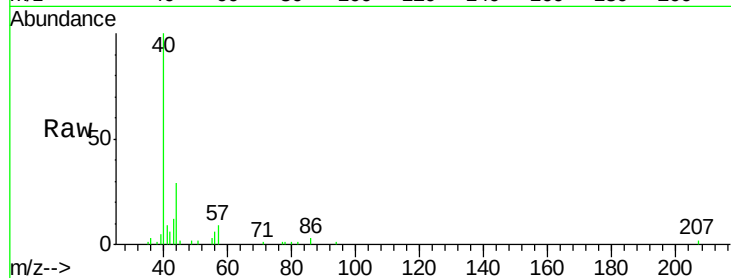




#18
Methyl Acetate
Concen: 2.051 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

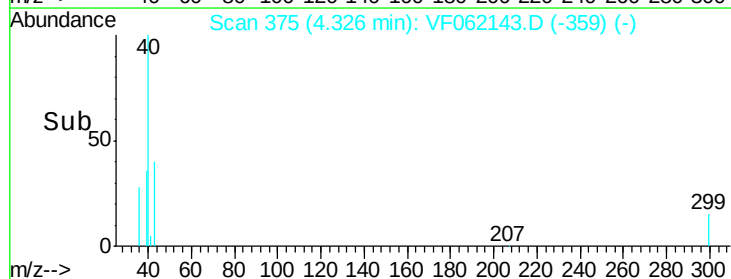
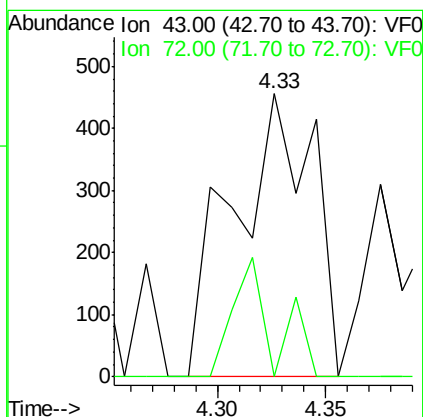
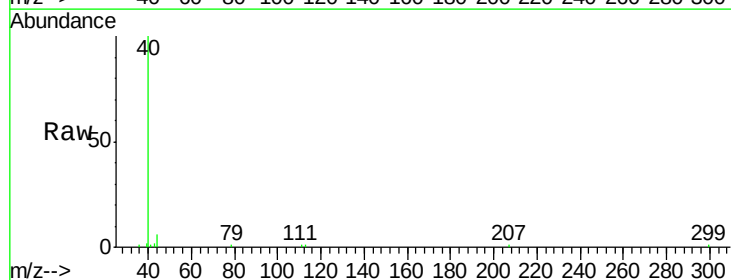
Instrument :
MSVOA_F
ClientSampled :

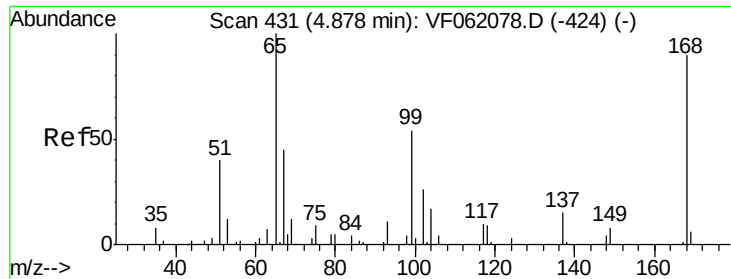
Tot Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#25
2-Butanone
Concen: 1.241 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#

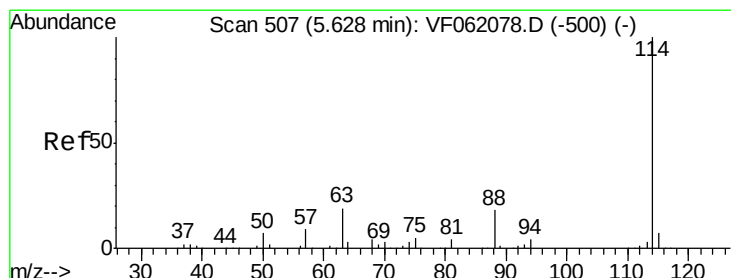
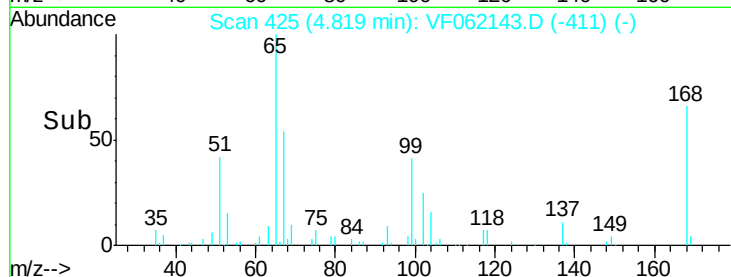
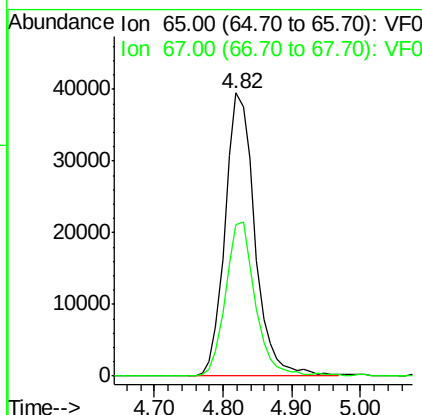
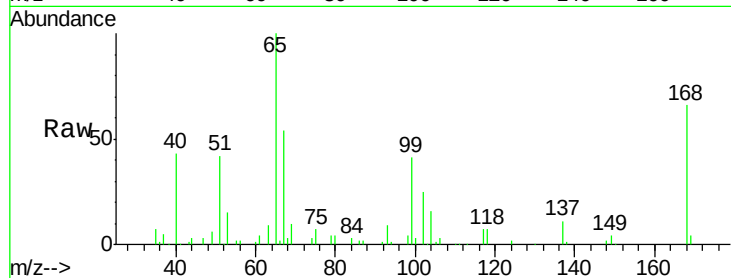




#33
 1,2-Dichloroethane-d4
 Concen: 55.744 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.06 min
 Lab File: VF062143.D
 Acq: 26 Mar 2019 13:45

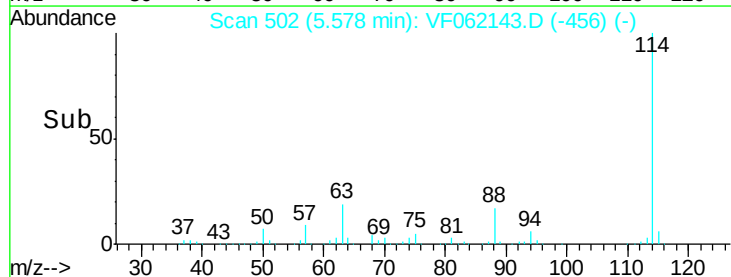
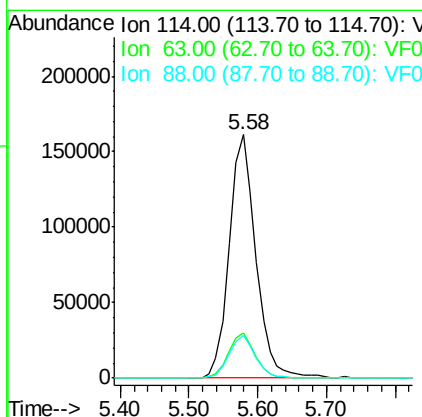
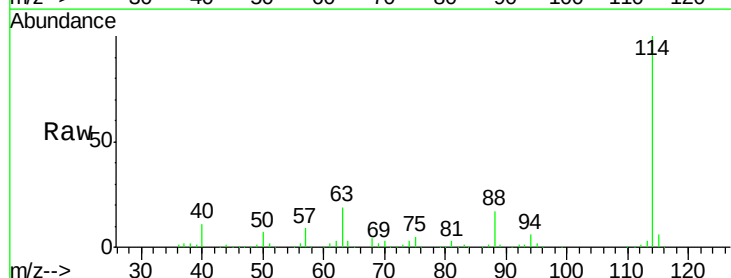
Instrument :
 MSVOA_F
 ClientSampleId :

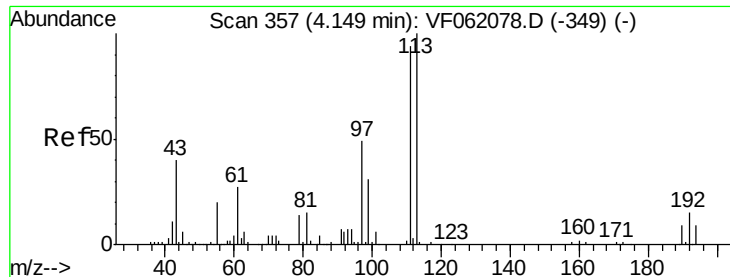
Tot Ion: 65 Resp: 118971
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.05 min
 Lab File: VF062143.D
 Acq: 26 Mar 2019 13:45

Tgt Ion: 114 Resp: 432157
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.8
 88 17.3 0.0 36.4

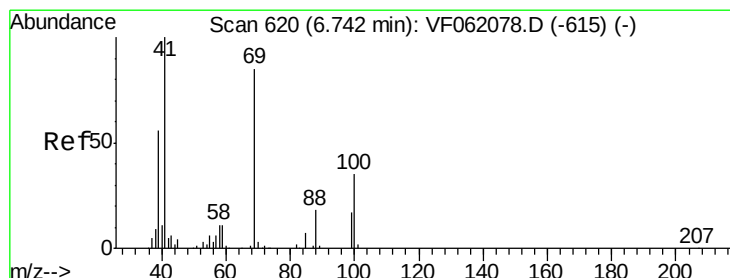
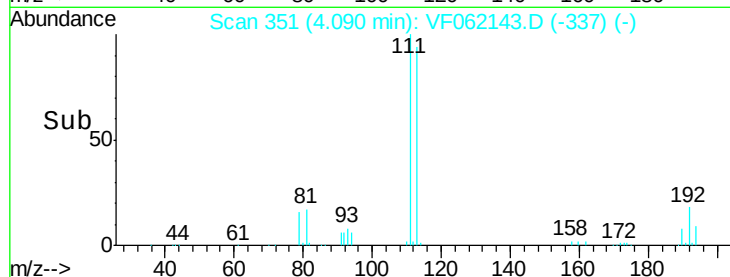
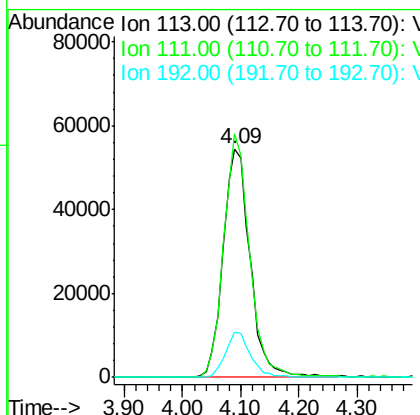
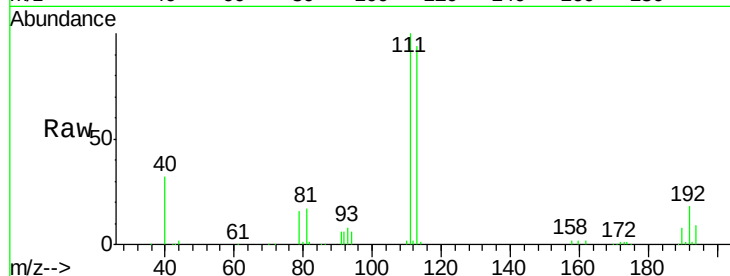




#35
 Dibromofluoromethane
 Concen: 60.132 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.06 min
 Lab File: VF062143.D
 Acq: 26 Mar 2019 13:45

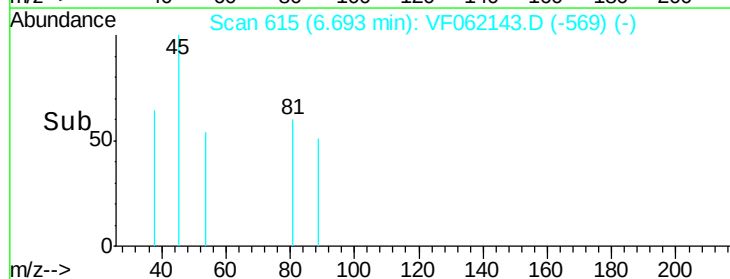
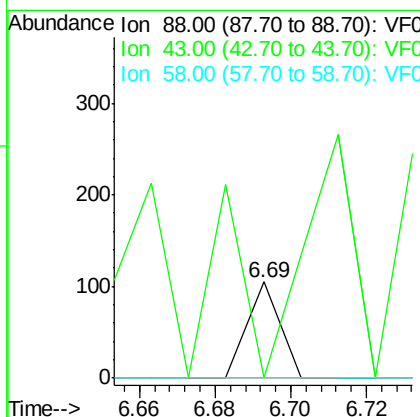
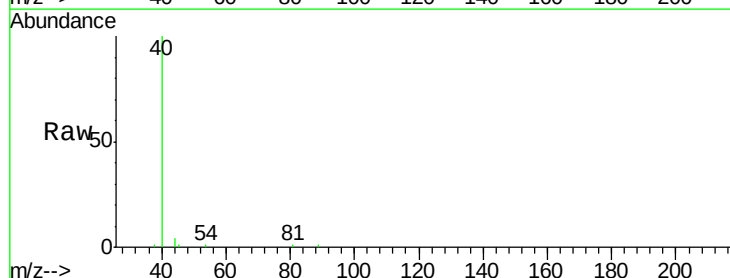
Instrument :
 MSVOA_F
 ClientSampleId :

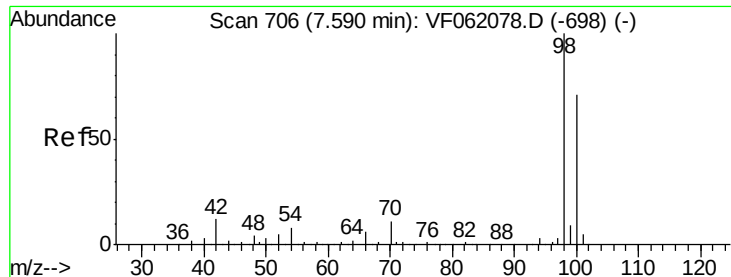
Tot Ion:113 Resp: 175788
 Ion Ratio Lower Upper
 113 100
 111 106.5 75.4 113.0
 192 20.1 12.3 18.5#



#49
 1,4-Dioxane
 Concen: 5.696 ug/l
 RT: 6.69 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: VF062143.D
 Acq: 26 Mar 2019 13:45

Tgt Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 0.0 35.0 52.4#
 58 0.0 49.9 74.9#

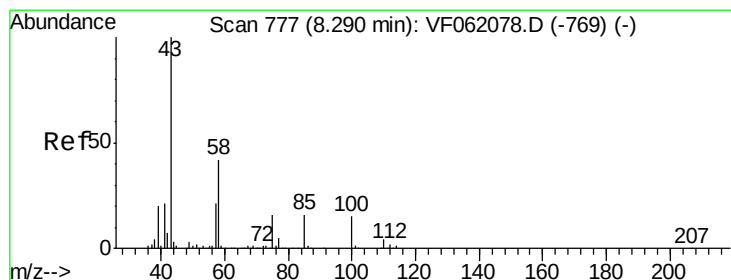
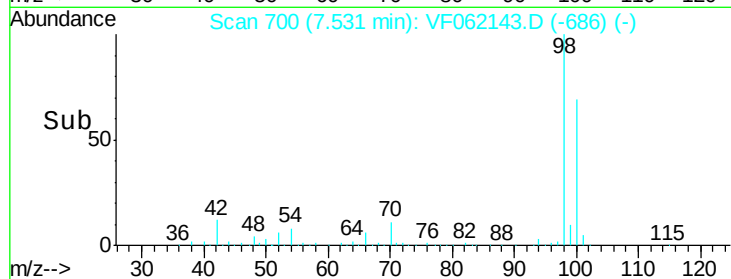
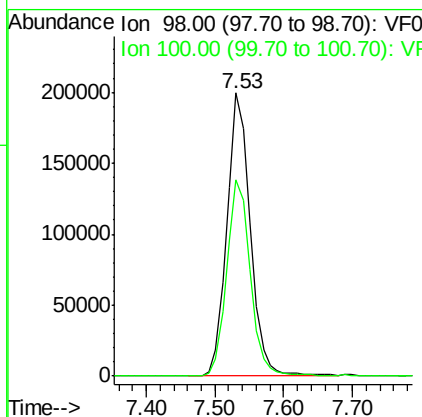
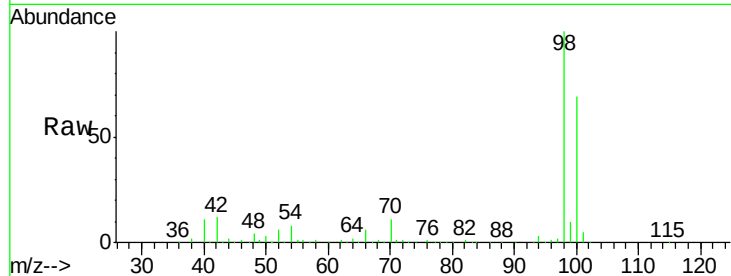




#50
Toluene-d8
Concen: 53.985 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

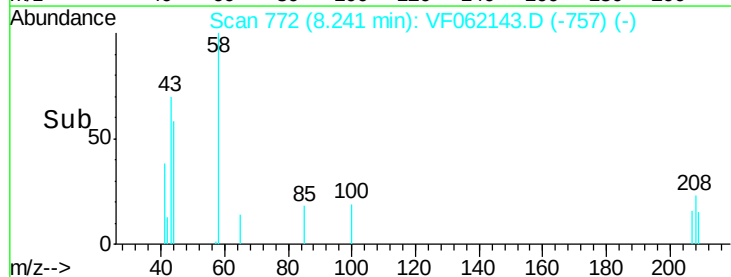
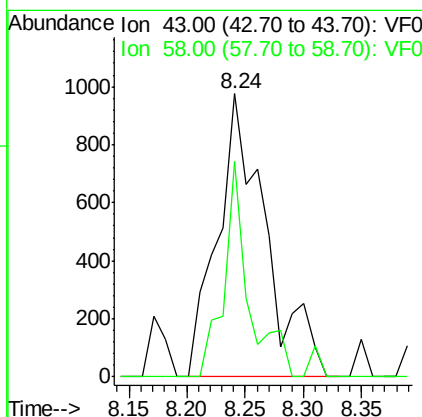
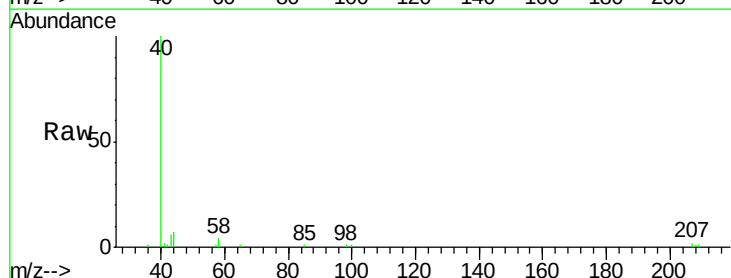
Instrument :
MSVOA_F
ClientSampleId :

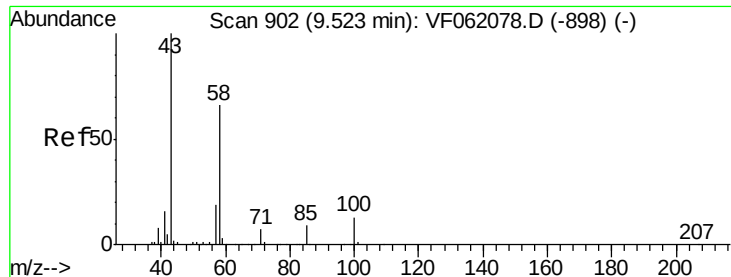
Tot Ion: 98 Resp: 471093
Ion Ratio Lower Upper
98 100
100 69.4 57.0 85.6



#51
4-Methyl-2-Pentanone
Concen: 1.925 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.05 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

Tgt Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
58 76.1 33.8 50.8#

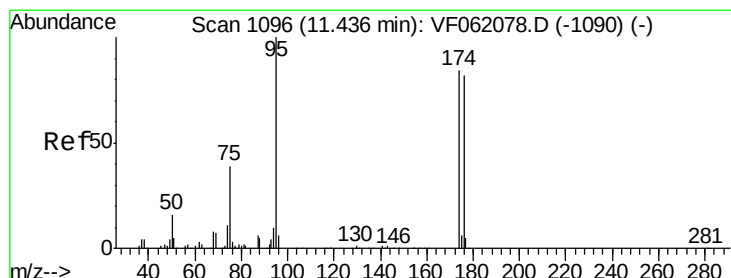
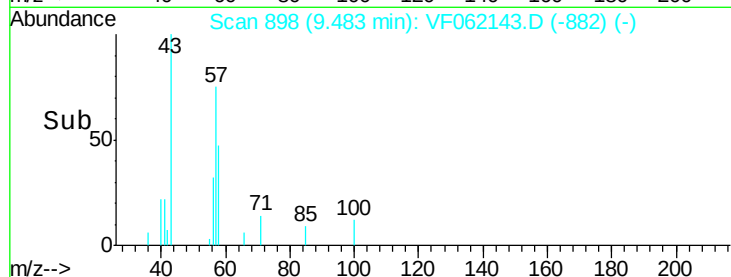
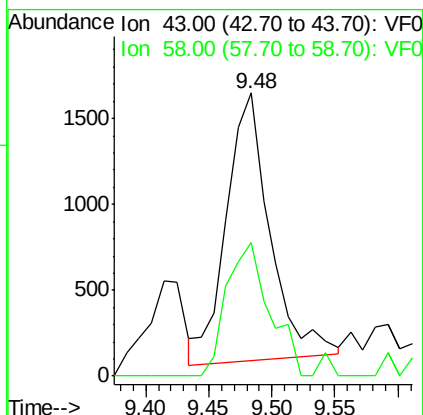
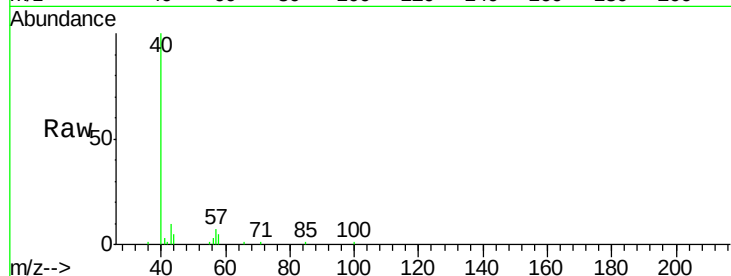




#59
2-Hexanone
Concen: 3.491 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

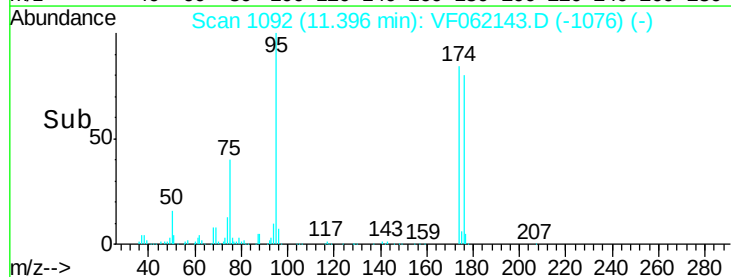
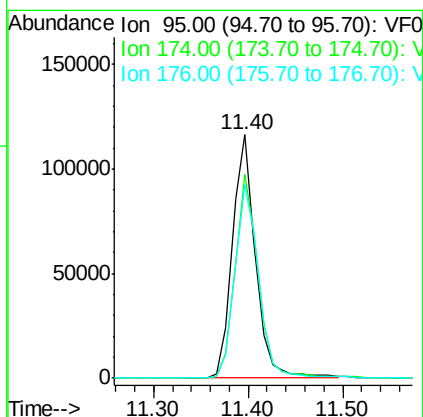
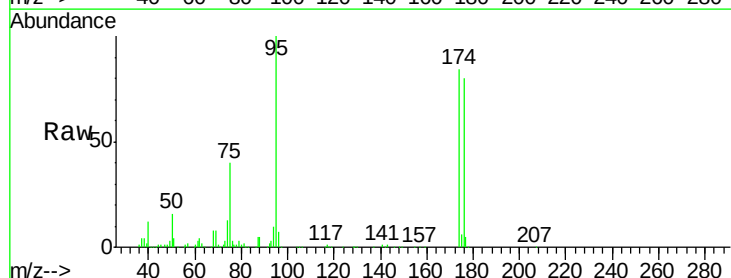
Instrument :
MSVOA_F
ClientSampleId :

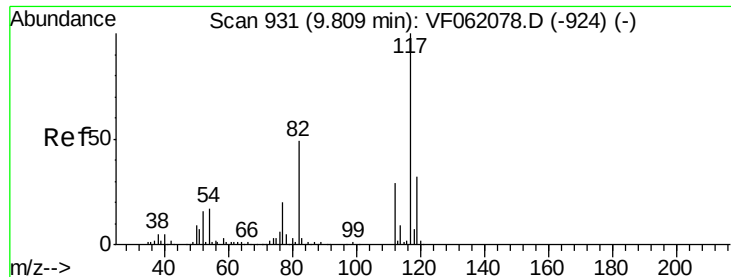
Tot Ion: 43 Resp: 3731
Ion Ratio Lower Upper
43 100
58 47.3 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 58.514 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

Tgt Ion: 95 Resp: 197125
Ion Ratio Lower Upper
95 100
174 83.5 0.0 168.2
176 79.8 0.0 164.2

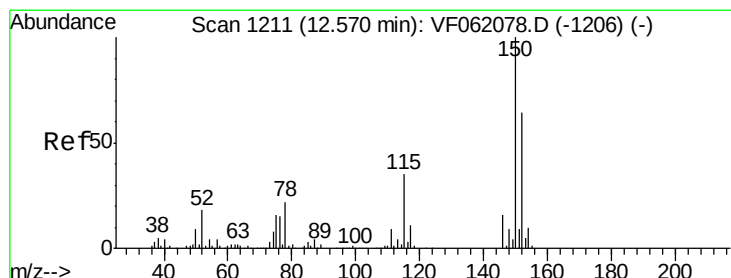
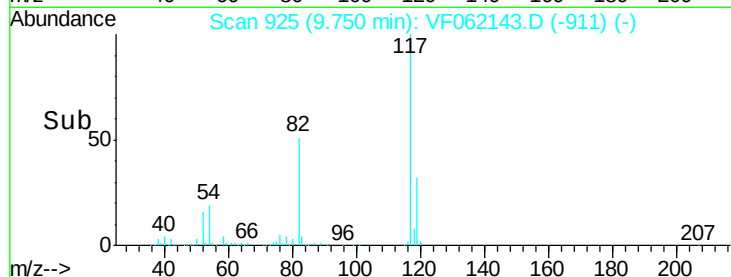
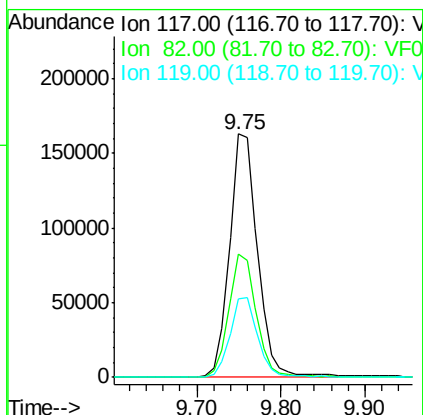
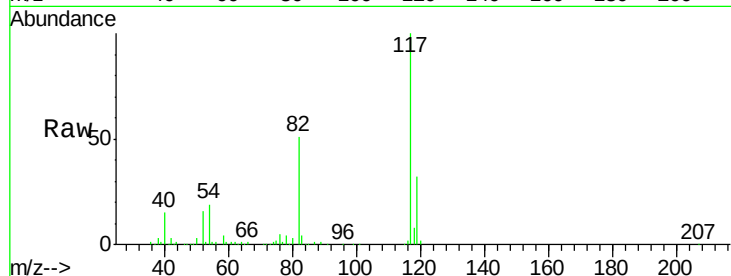




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

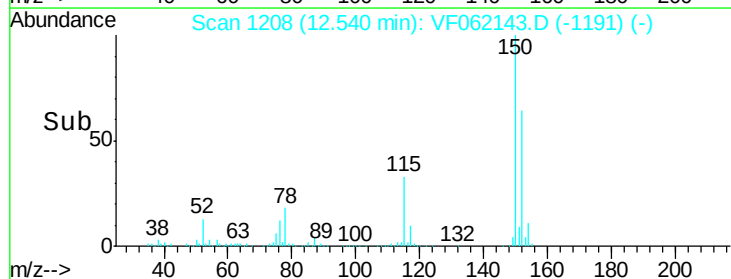
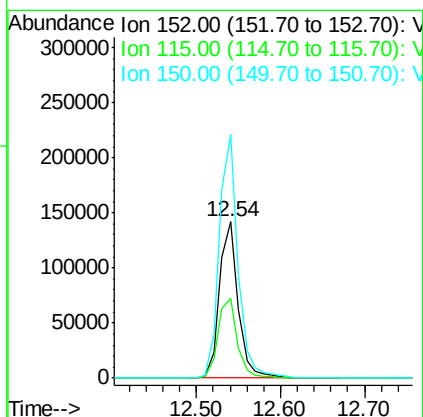
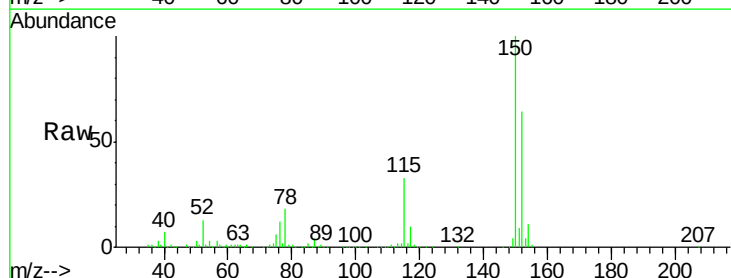
Instrument :
MSVOA_F
ClientSampleId :

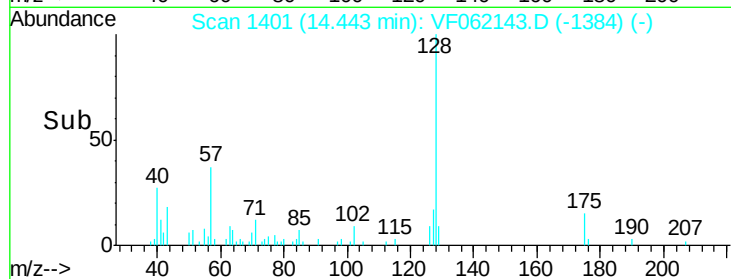
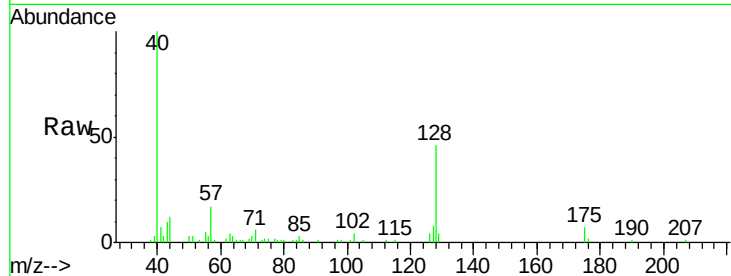
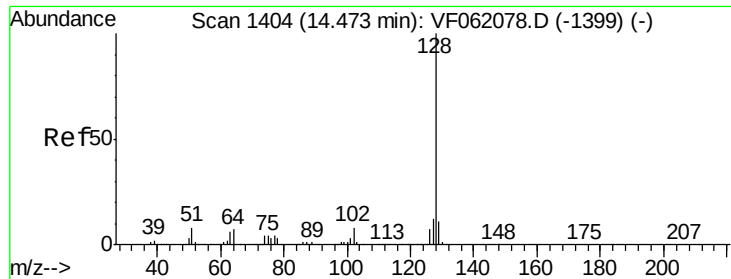
Tot Ion:117 Resp: 376398
Ion Ratio Lower Upper
117 100
82 50.6 39.2 58.8
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF062143.D
Acq: 26 Mar 2019 13:45

Tgt Ion:152 Resp: 219336
Ion Ratio Lower Upper
152 100
115 51.3 27.7 83.1
150 155.8 0.0 313.2





#95

Naphthalene

Concen: 1.219 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF062143.D

Acq: 26 Mar 2019 13:45

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 9791

Ion Ratio Lower Upper

128 100

127 16.7 9.5 14.3#

129 8.9 8.7 13.1

