

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061493.D
 Acq On : 24 Jan 2019 11:43
 Operator : VA/AP
 Sample : VF0124SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBL01

Quant Time: Jan 25 04:06:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

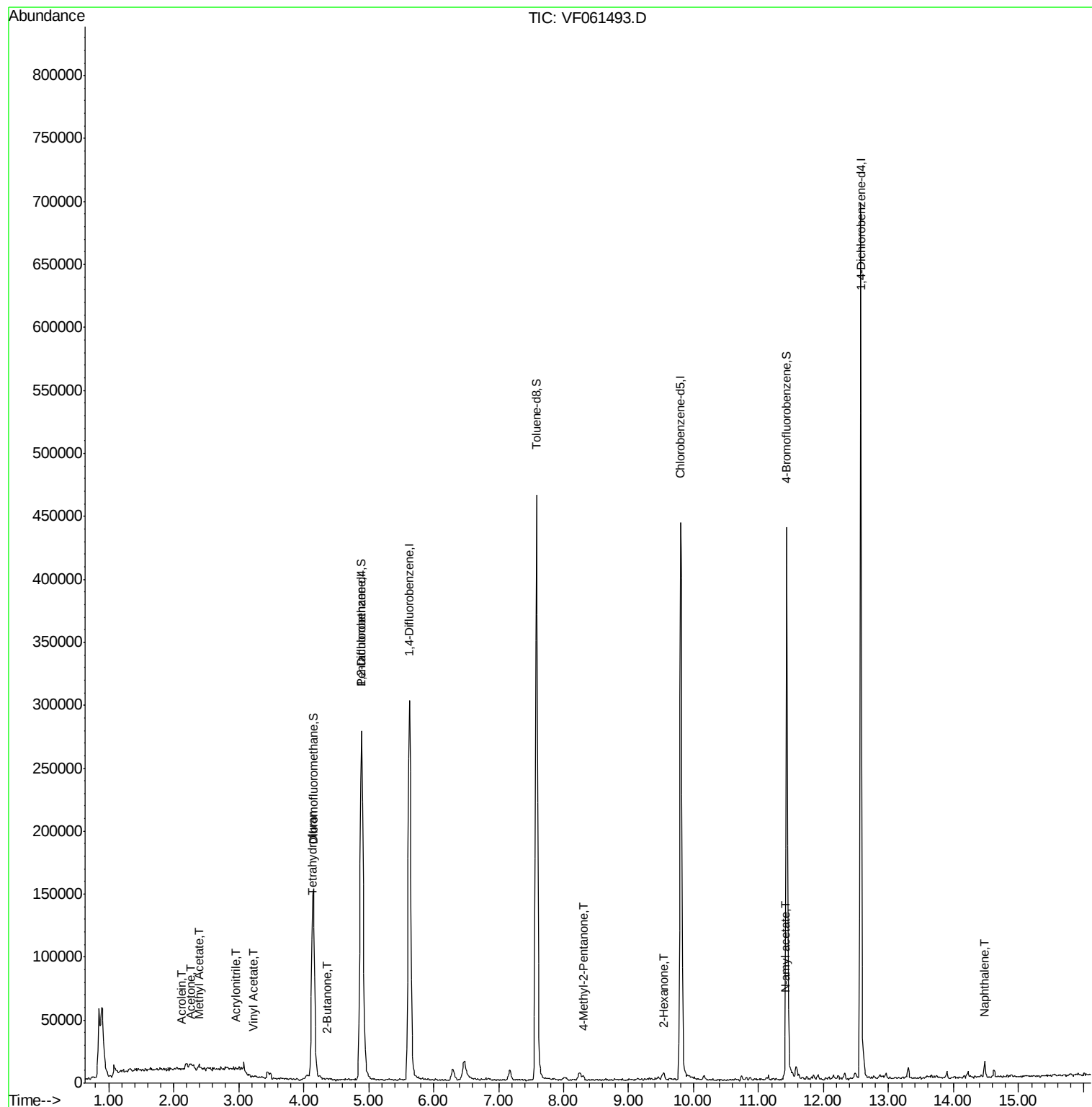
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	206422	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	346462	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.80	117	323510	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	174714	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	119615	46.93	ug/l	0.05
Spiked Amount 50.000			Recovery	=	93.86%	
35) Dibromofluoromethane	4.15	113	148007	54.14	ug/l	0.05
Spiked Amount 50.000			Recovery	=	108.28%	
50) Toluene-d8	7.58	98	374598	50.01	ug/l	0.04
Spiked Amount 50.000			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.43	95	182190	52.06	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.12%	
Target Compounds						
					Qvalue	
13) Acrolein	2.12	56	290	13.329	ug/l	92
14) Allyl chloride	2.11	41	334	Below Cal	#	86
15) Acrylonitrile	2.97	53	948	3.431	ug/l #	41
16) Acetone	2.27	43	2082	4.072	ug/l	98
18) Methyl Acetate	2.39	43	2759	2.721	ug/l #	61
20) Methylene Chloride	2.21	84	1775	Below Cal		86
23) Vinyl Acetate	3.22	43	1043	3.552	ug/l #	78
25) 2-Butanone	4.38	43	1999	2.351	ug/l #	57
29) Tetrahydrofuran	4.12	42	1070	2.923	ug/l #	45
49) 1,4-Dioxane	6.43	88	61	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.30	43	3442	2.323	ug/l	93
59) 2-Hexanone	9.54	43	4693	4.542	ug/l	74
74) N-amyl acetate	11.40	43	4055	1.207	ug/l #	93
95) Naphthalene	14.48	128	8574	1.148	ug/l	96

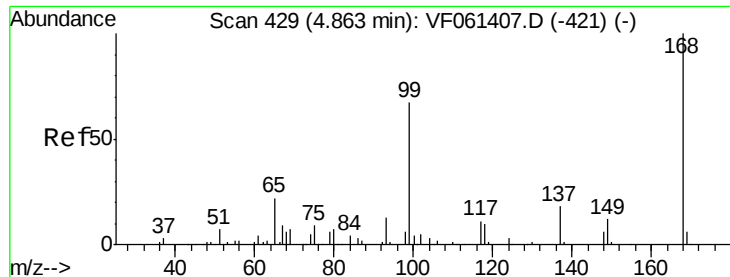
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VF061493.D
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ClientSampleId :
VF0124SBL01

Quant Time: Jan 25 04:06:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.04 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

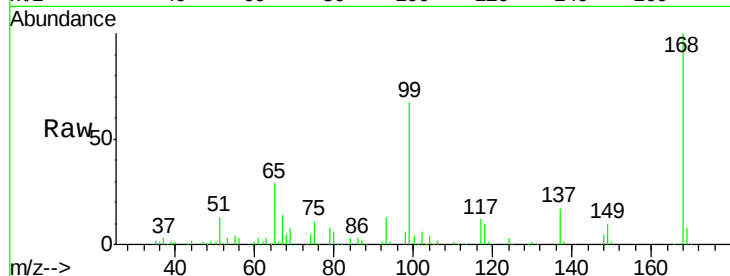
VF0124SBL01

Tot Ion:168 Resp: 206422

Ion Ratio Lower Upper

168 100

99 67.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

60000

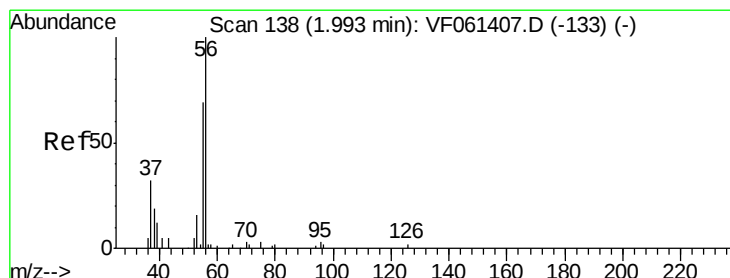
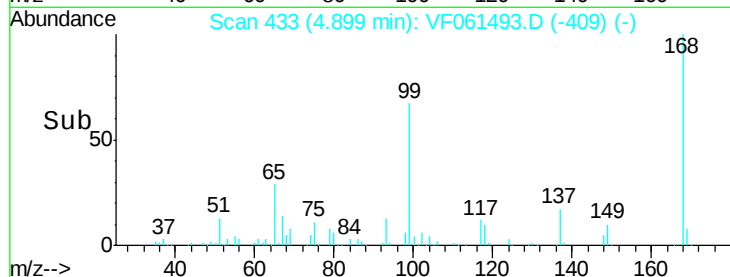
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 13.329 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.13 min

Lab File: VF061493.D

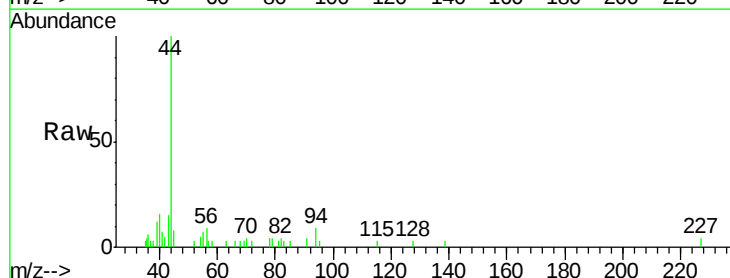
Acq: 24 Jan 2019 11:43

Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 78.2 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.12

400

300

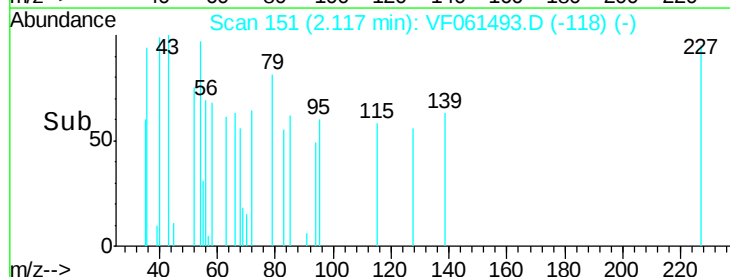
200

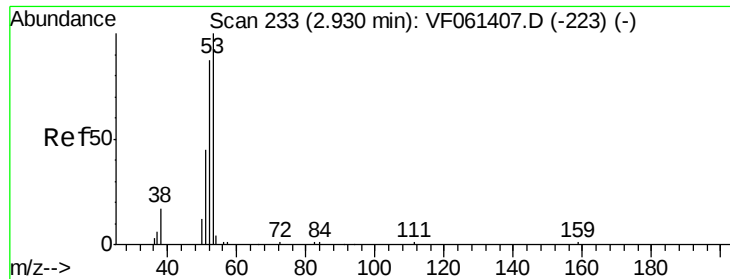
100

0

Time-->

2.10 2.12





#15

Acrylonitrile

Concen: 3.431 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.04 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBL01

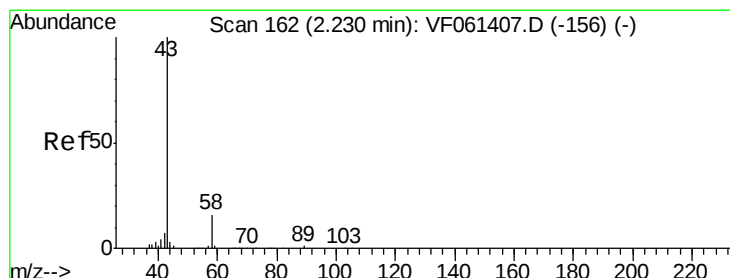
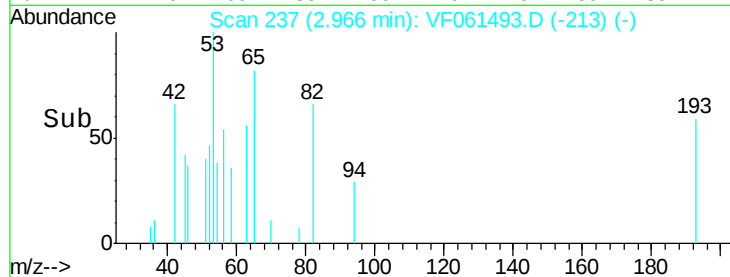
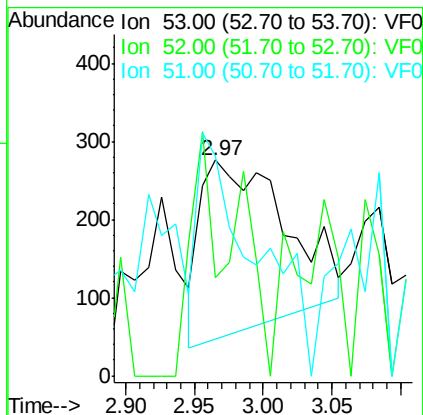
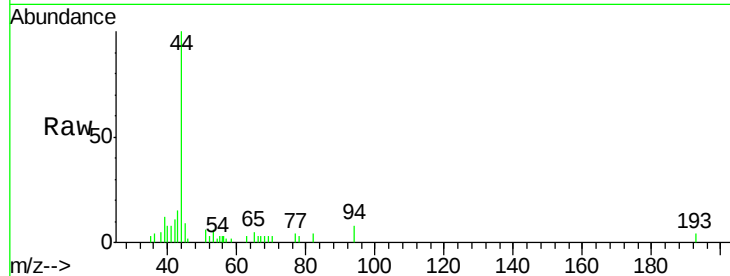
Tot Ion: 53 Resp: 948

Ion Ratio Lower Upper

53 100

52 45.7 69.6 104.4#

51 102.2 36.8 55.2#



#16

Acetone

Concen: 4.072 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.04 min

Lab File: VF061493.D

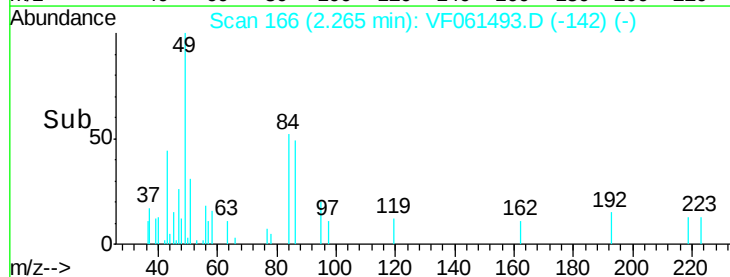
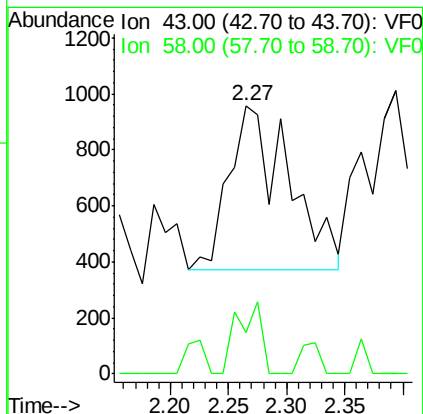
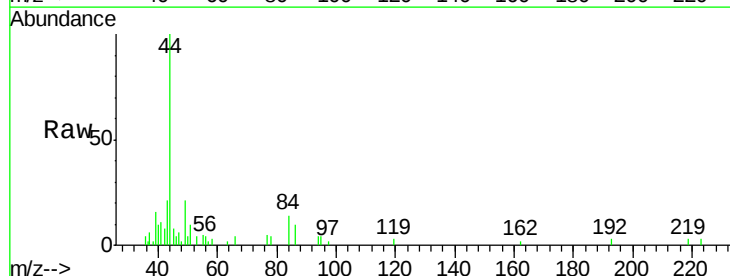
Acq: 24 Jan 2019 11:43

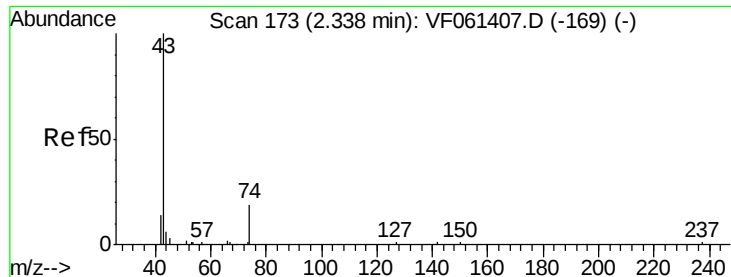
Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

58 15.6 13.3 19.9

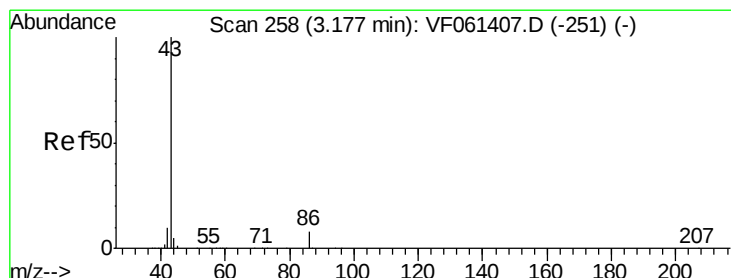
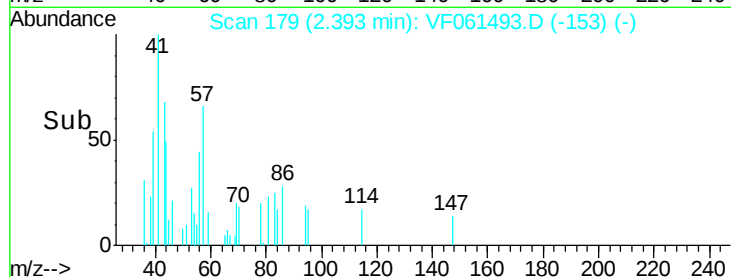
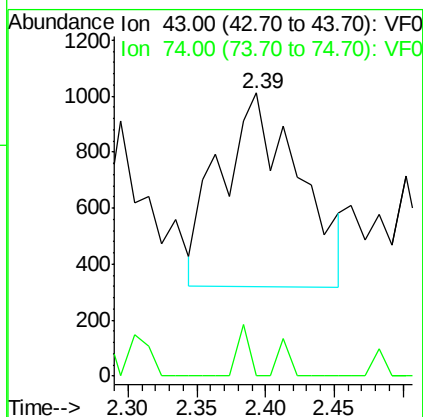
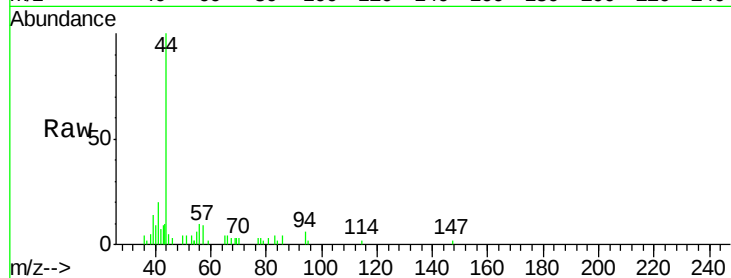




#18
Methvl Acetate
Concen: 2.721 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.06 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

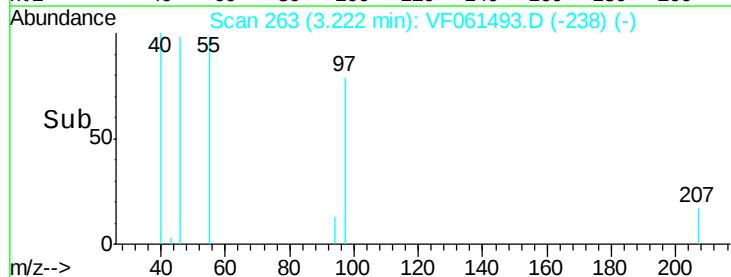
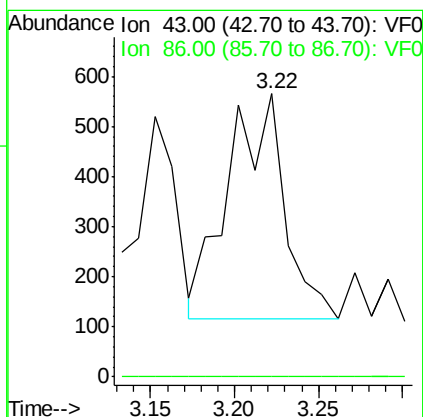
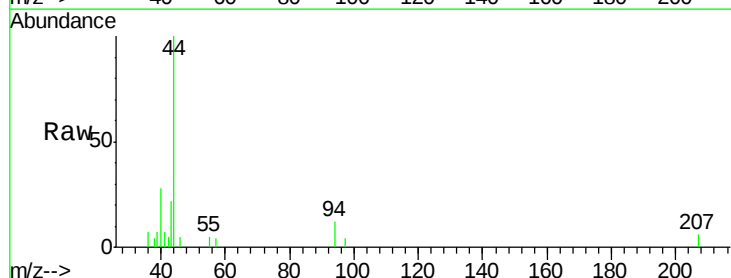
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBL01

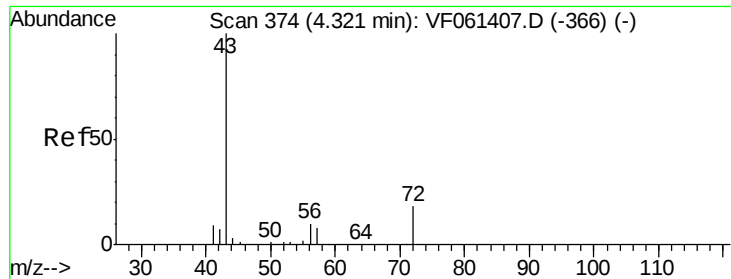
Tot Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#23
Vinyl Acetate
Concen: 3.552 ug/l
RT: 3.22 min Scan# 263
Delta R.T. 0.05 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 2.351 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.06 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

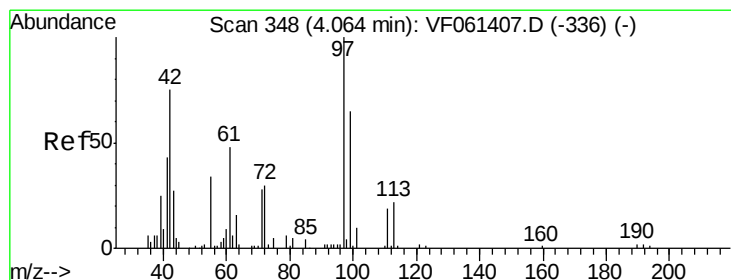
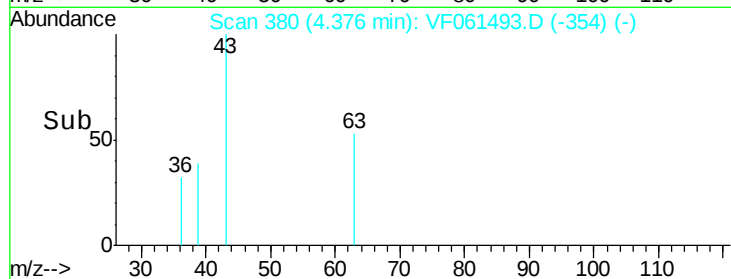
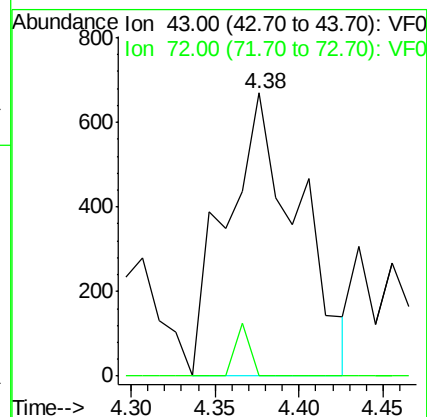
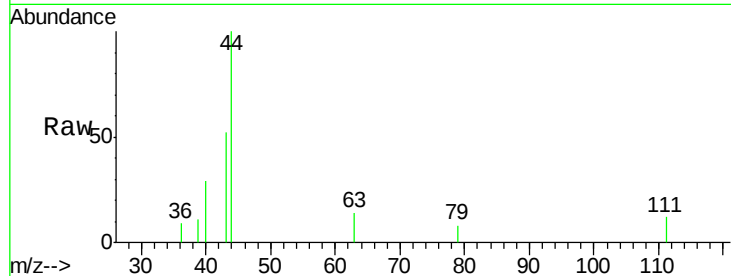
VF0124SBL01

Tot Ion: 43 Resp: 1999

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 2.923 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.06 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

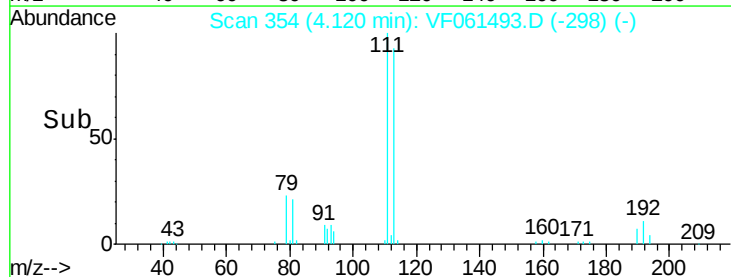
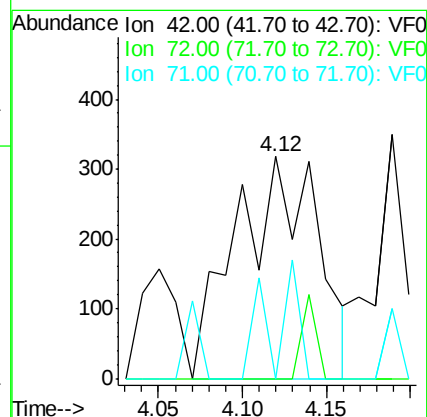
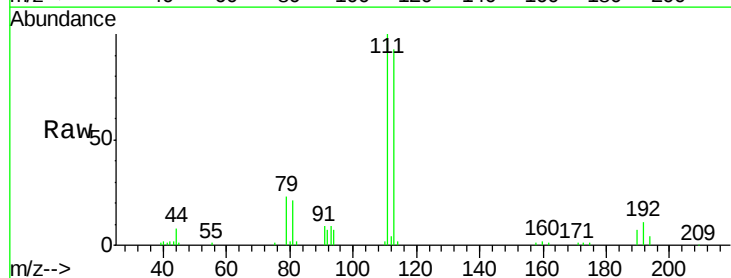
Tgt Ion: 42 Resp: 1070

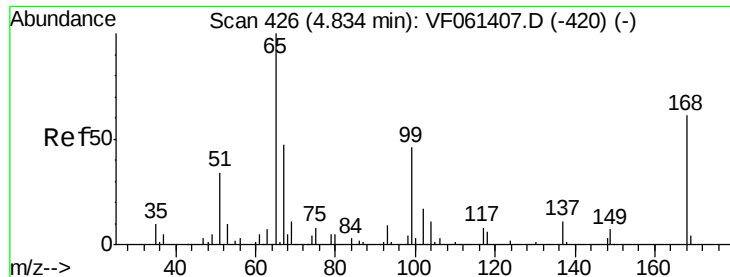
Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 7.9 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 46.935 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.05 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

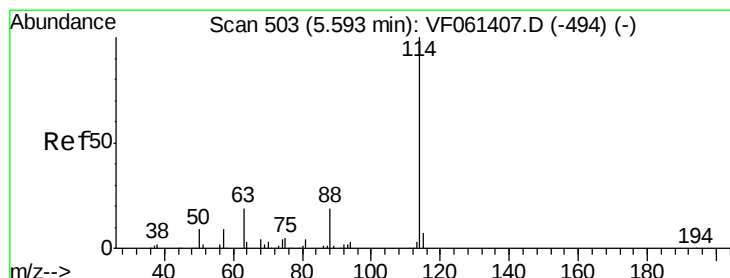
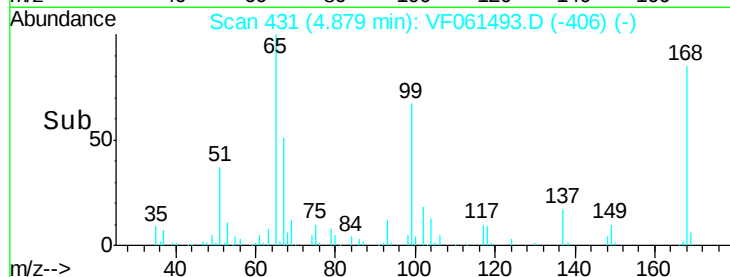
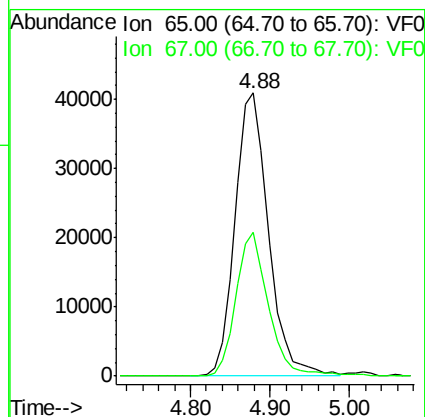
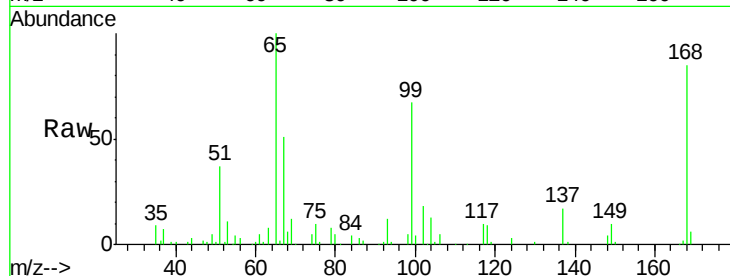
VF0124SBL01

Tot Ion: 65 Resp: 119615

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.04 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

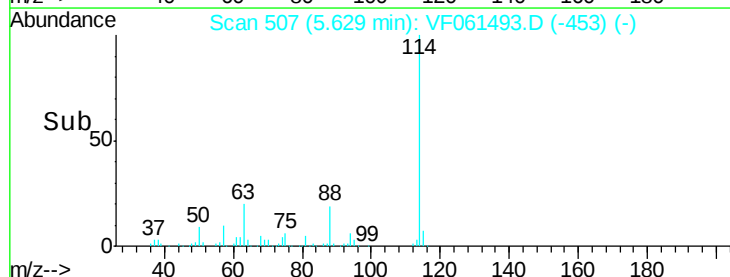
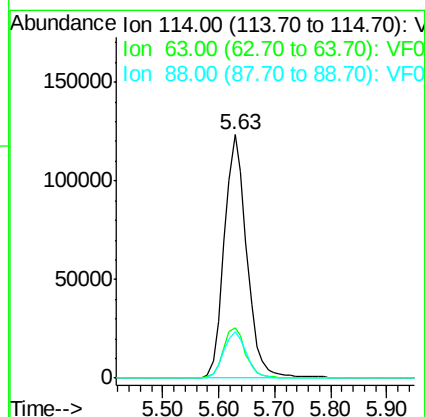
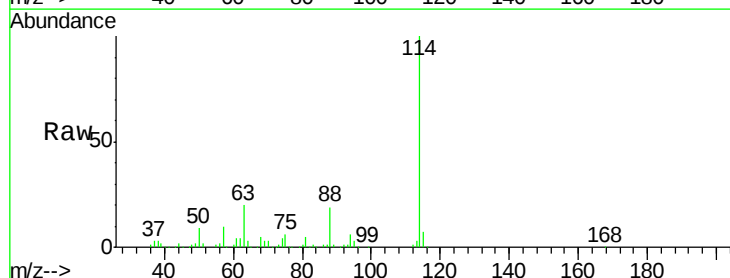
Tgt Ion: 114 Resp: 346462

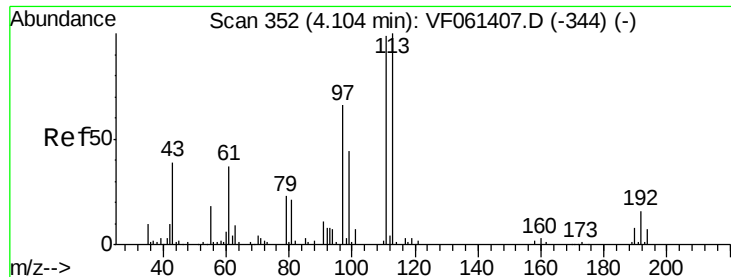
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

88 19.3 0.0 37.4

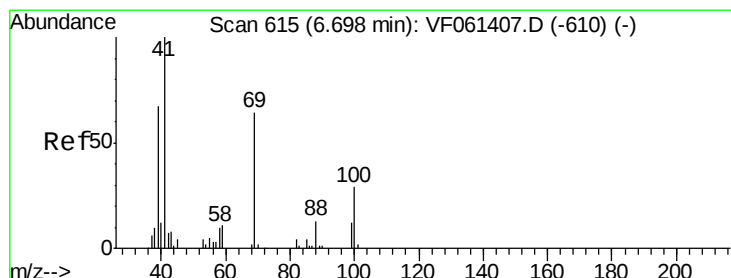
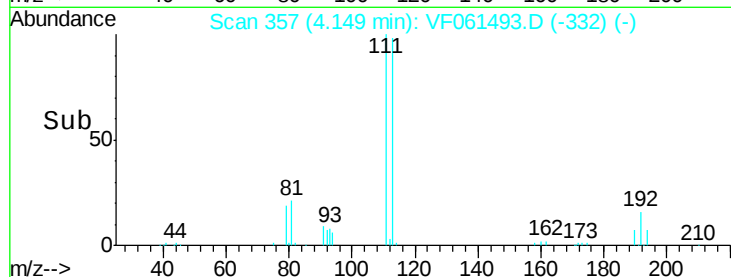
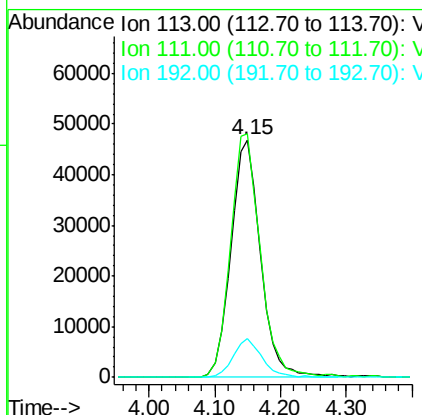
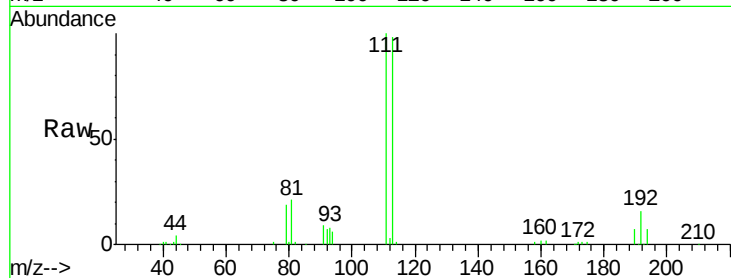




#35
 Dibromofluoromethane
 Concen: 54.138 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.05 min
 Lab File: VF061493.D
 Acq: 24 Jan 2019 11:43

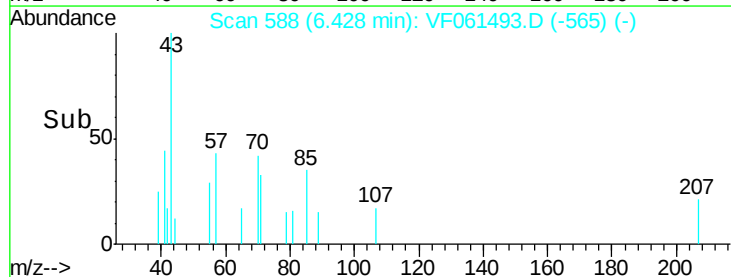
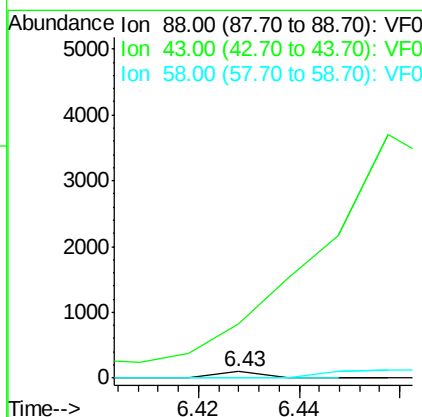
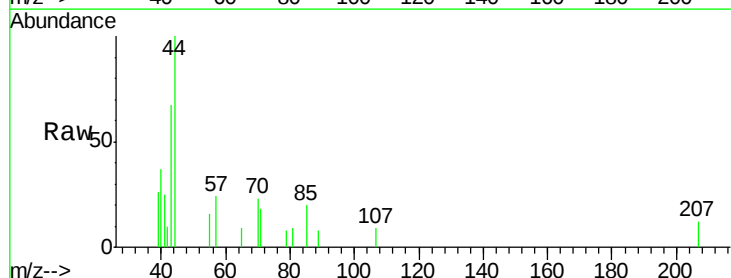
Instrument :
 MSVOA_F
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 VF0124SBL01

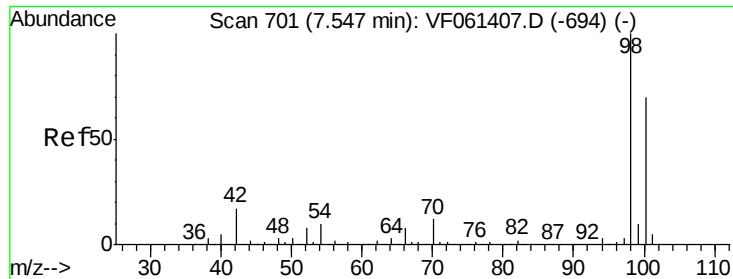
Tot Ion:113 Resp: 148007
 Ion Ratio Lower Upper
 113 100
 111 102.4 79.4 119.0
 192 16.9 12.4 18.6



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.43 min Scan# 588
 Delta R.T. -0.27 min
 Lab File: VF061493.D
 Acq: 24 Jan 2019 11:43

Tgt Ion: 88 Resp: 61
 Ion Ratio Lower Upper
 88 100
 43 804.9 55.5 83.3#
 58 0.0 59.9 89.9#

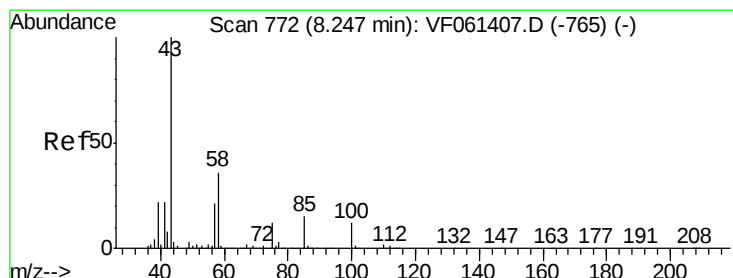
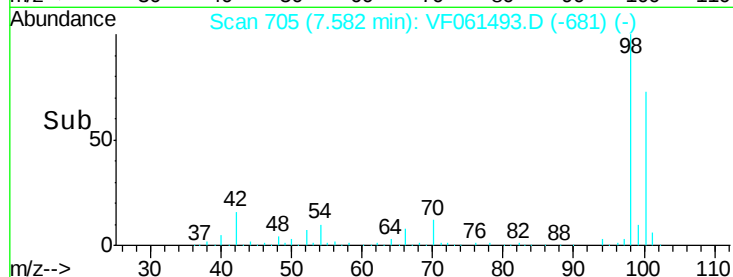
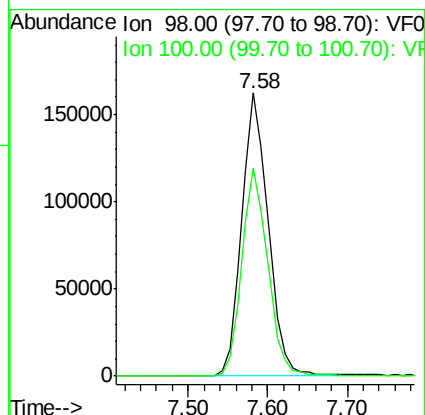
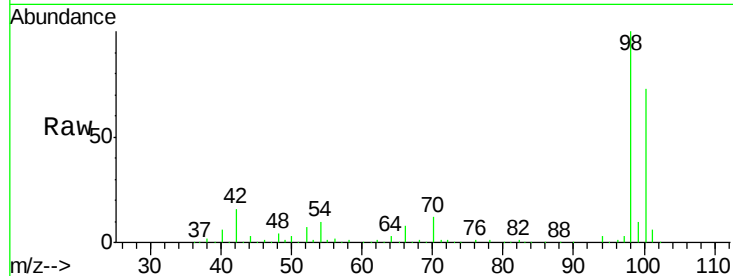




#50
Toluene-d8
Concen: 50.011 ug/l
RT: 7.58 min Scan# 705
Delta R.T. 0.04 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

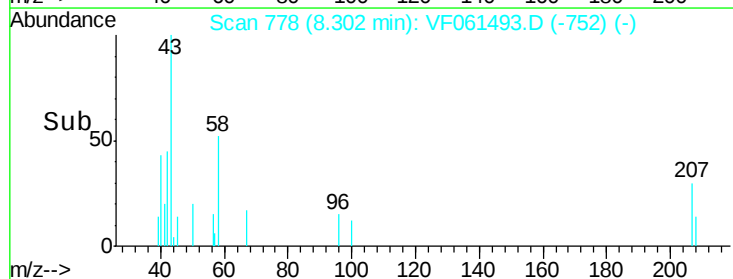
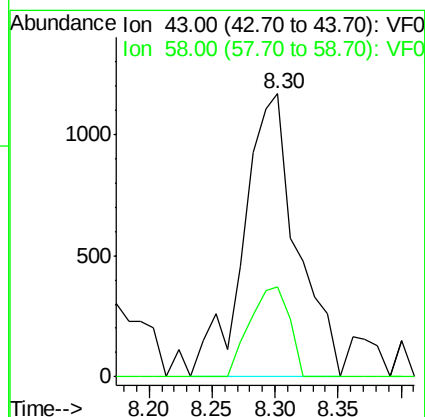
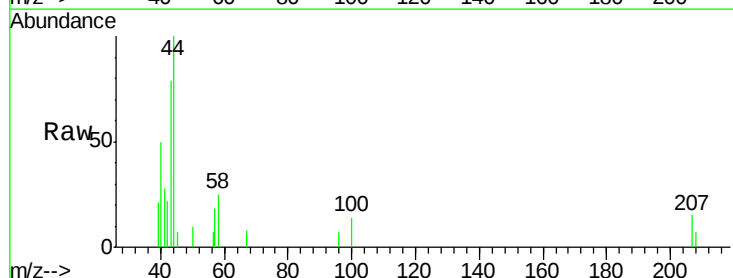
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBL01

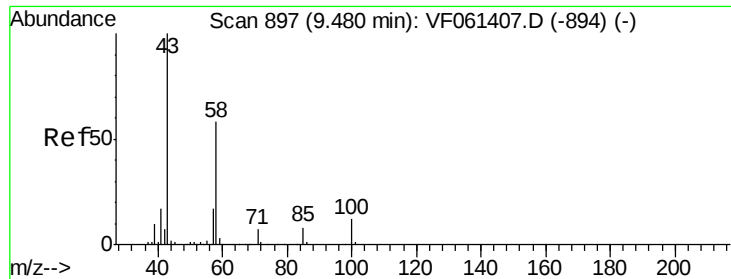
Tot Ion: 98 Resp: 374598
Ion Ratio Lower Upper
98 100
100 73.3 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 2.323 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.06 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Tgt Ion: 43 Resp: 3442
Ion Ratio Lower Upper
43 100
58 31.6 28.8 43.2

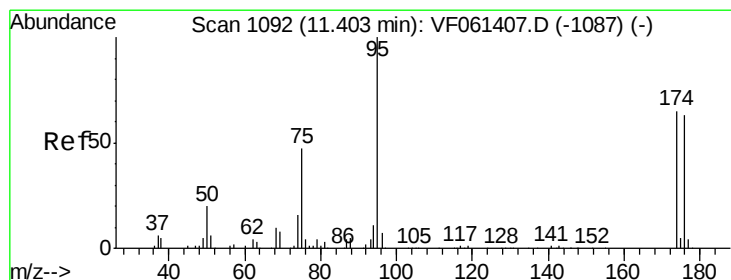
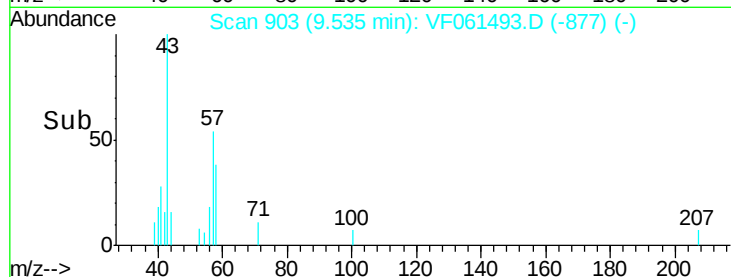
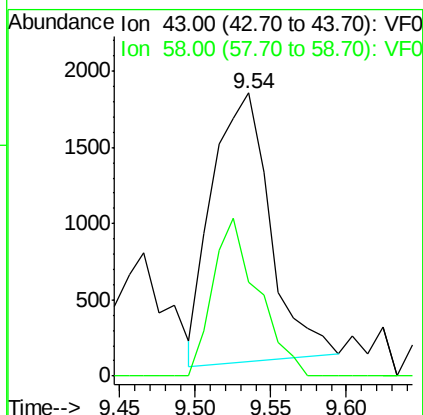
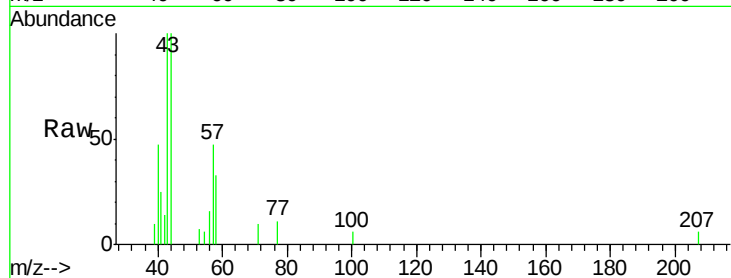




#59
2-Hexanone
Concen: 4.542 ug/l
RT: 9.54 min Scan# 903
Delta R.T. 0.06 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

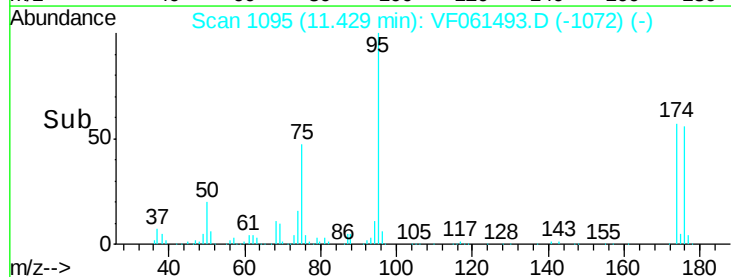
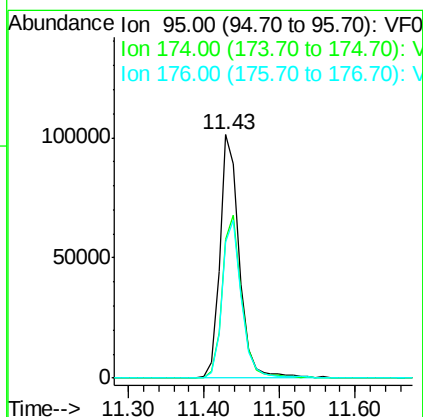
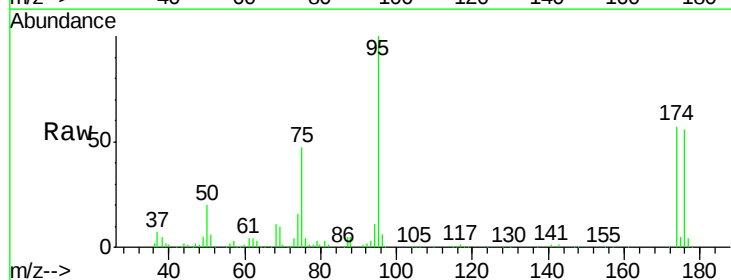
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBL01

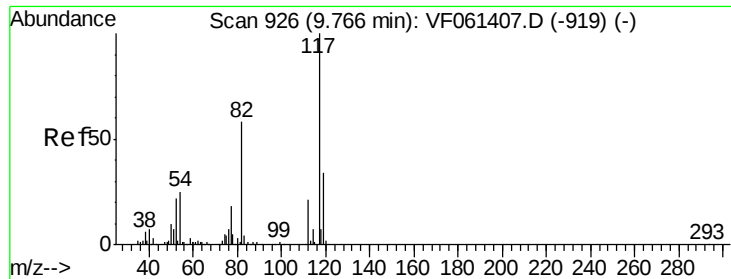
Tot Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
58 33.2 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 52.059 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.03 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Tgt Ion: 95 Resp: 182190
Ion Ratio Lower Upper
95 100
174 56.9 0.0 130.4
176 55.8 0.0 126.2

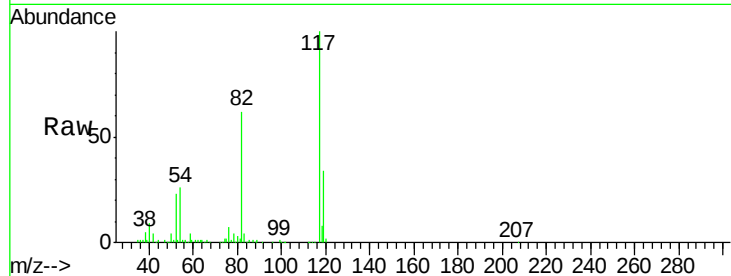




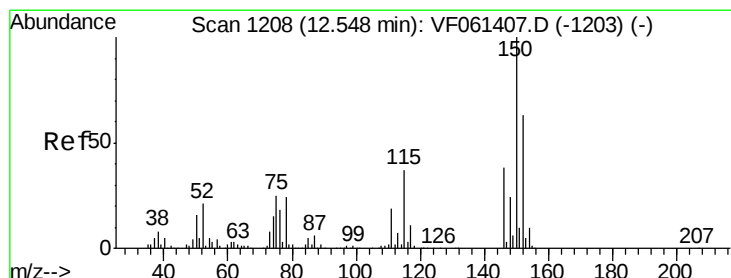
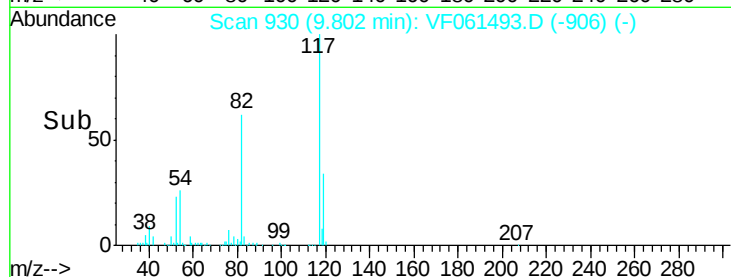
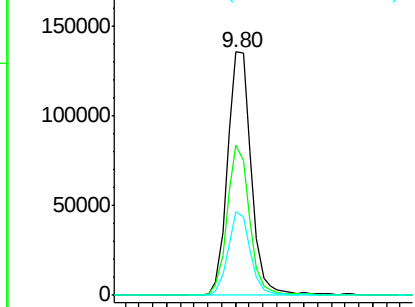
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.04 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBL01

Tot Ion:117 Resp: 323510
Ion Ratio Lower Upper
117 100
82 61.8 46.4 69.6
119 34.3 27.2 40.8

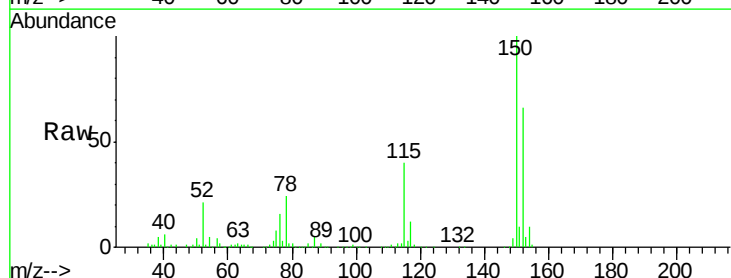


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

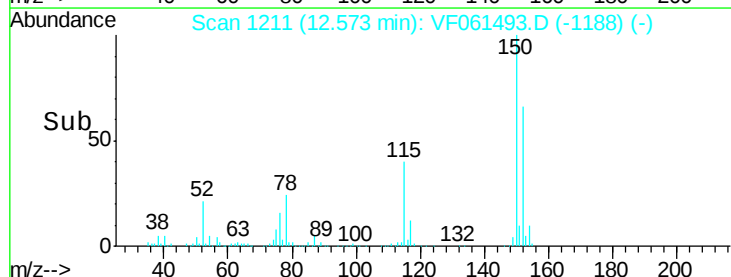
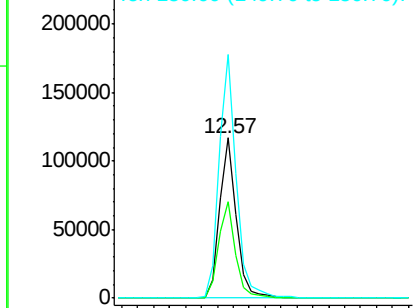


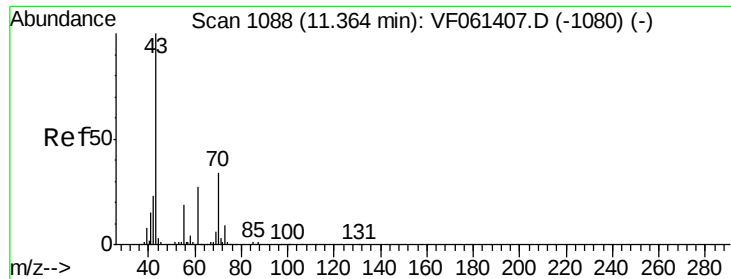
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.03 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Tgt Ion:152 Resp: 174714
Ion Ratio Lower Upper
152 100
115 60.3 30.0 90.0
150 152.3 0.0 321.4



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

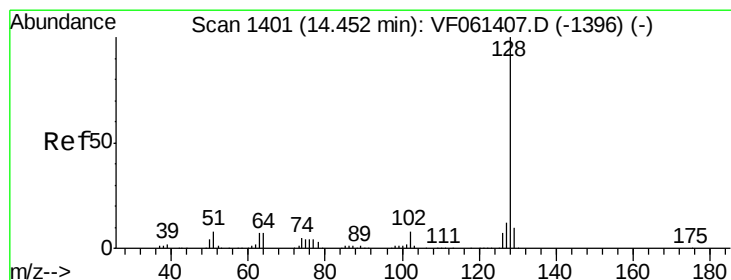
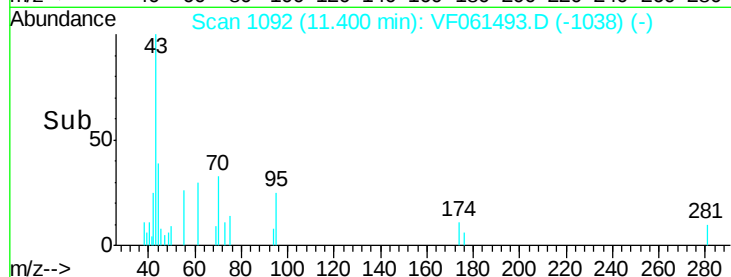
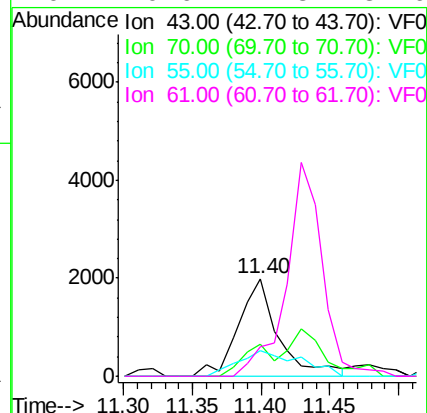
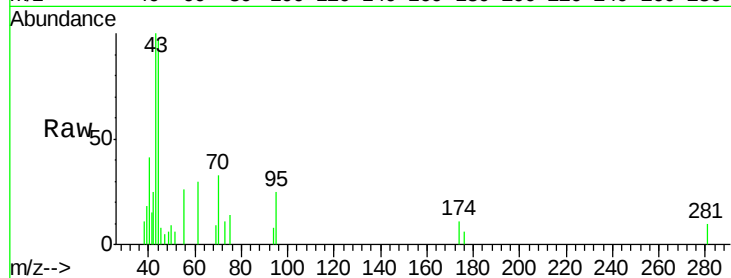




#74
N-amyl acetate
Concen: 1.207 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.04 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBL01

Tot Ion: 43 Resp: 4055
Ion Ratio Lower Upper
43 100
70 32.6 27.6 41.4
55 26.3 15.4 23.2#
61 29.6 21.8 32.6



#95
Naphthalene
Concen: 1.148 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Tgt Ion: 128 Resp: 8574
Ion Ratio Lower Upper
128 100
127 10.5 9.5 14.3
129 8.9 8.4 12.6

