

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
 Data File : VF061724.D
 Acq On : 25 Feb 2019 12:05
 Operator : VA/AP
 Sample : VF0225SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBL01

Quant Time: Feb 26 04:30:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	356271	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	550436	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	486094	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	280452	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	141319	54.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.18%	
35) Dibromofluoromethane	4.11	113	214537	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
50) Toluene-d8	7.55	98	565624	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.41	95	237446	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	

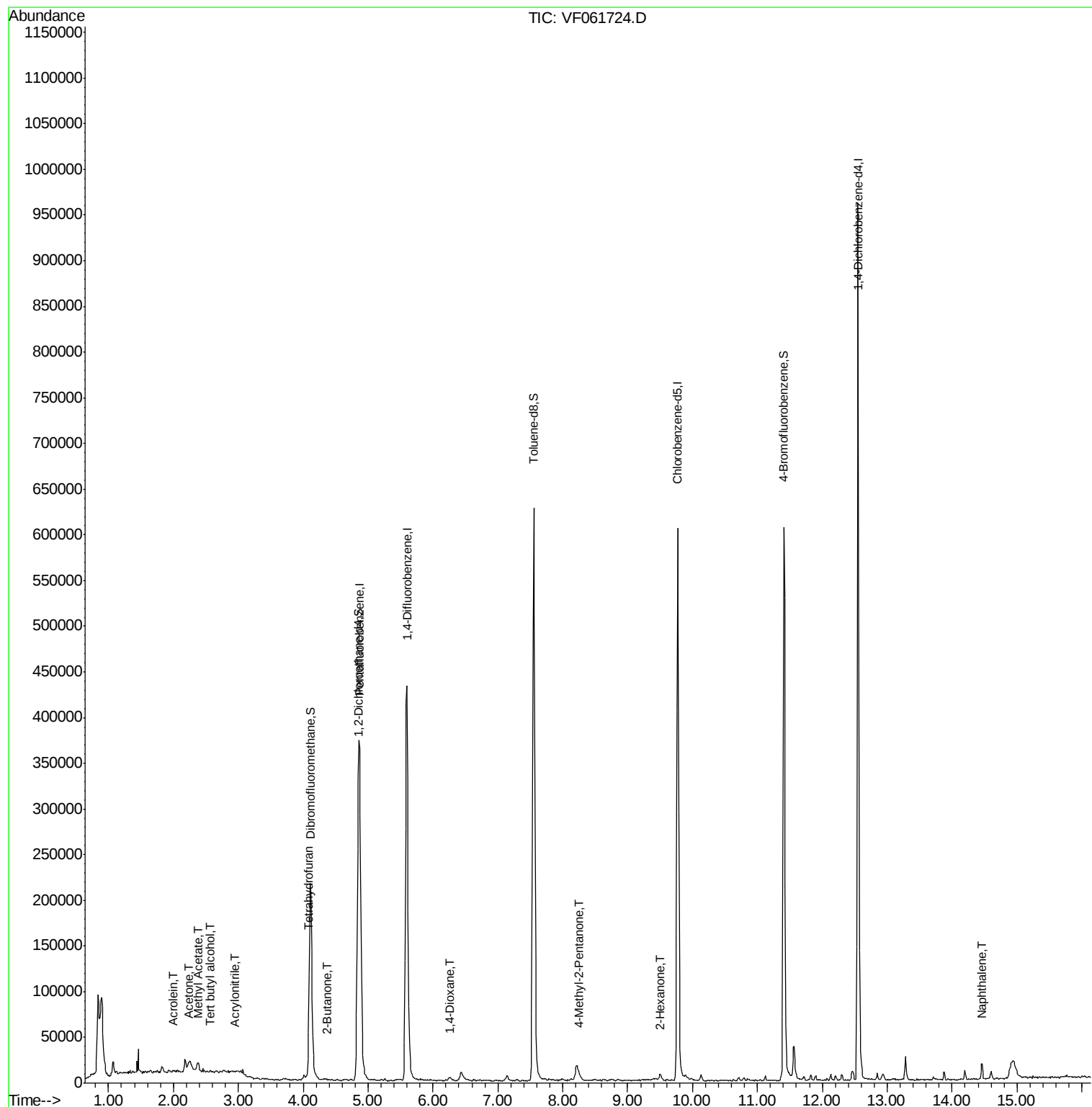
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	292	1.931	ug/l #	1
13) Acrolein	1.99	56	746	3.926	ug/l #	48
15) Acrylonitrile	2.95	53	1801	3.358	ug/l	94
16) Acetone	2.23	43	2358	4.207	ug/l #	71
18) Methyl Acetate	2.38	43	4566	3.616	ug/l #	59
20) Methylene Chloride	2.18	84	6479	Below Cal		91
25) 2-Butanone	4.36	43	2797	2.284	ug/l	93
29) Tetrahydrofuran	4.08	42	1418	2.548	ug/l #	58
49) 1,4-Dioxane	6.27	88	62	3.656	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	5215	2.435	ug/l #	84
59) 2-Hexanone	9.49	43	6827	4.547	ug/l	93
95) Naphthalene	14.45	128	12821	1.118	ug/l	97

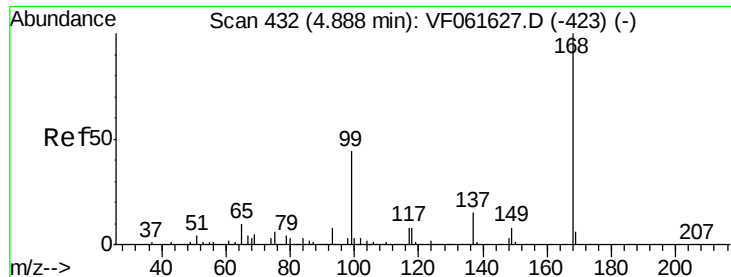
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061724.D

Acq: 25 Feb 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

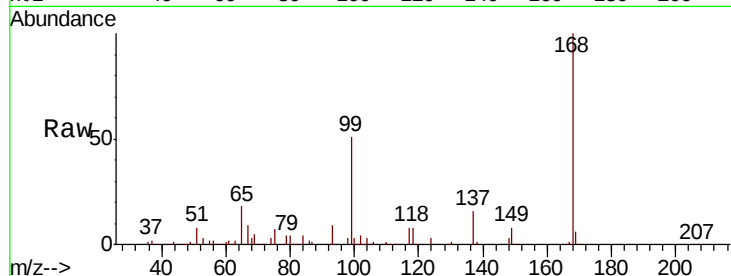
VF0225SBL01

Tgt Ion:168 Resp: 356271

Ion Ratio Lower Upper

168 100

99 51.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

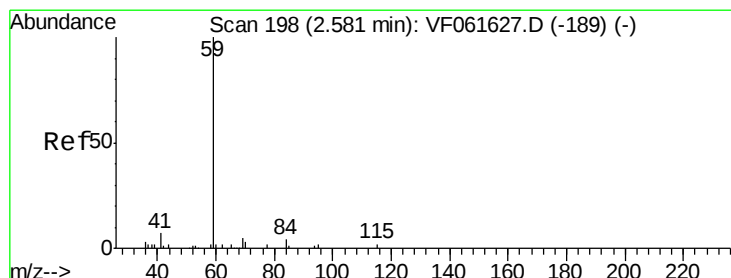
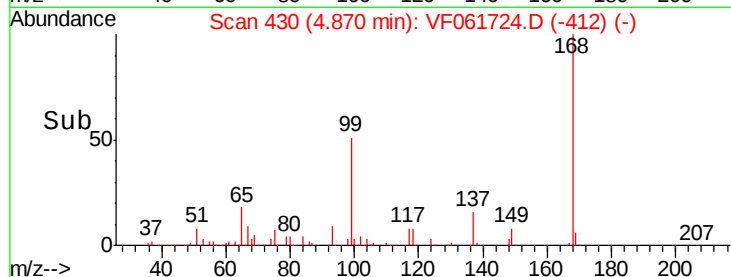
4.87

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.931 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061724.D

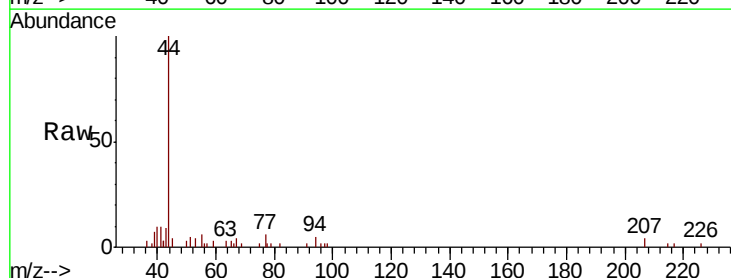
Acq: 25 Feb 2019 12:05

Tgt Ion: 59 Resp: 292

Ion Ratio Lower Upper

59 100

57 77.2 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

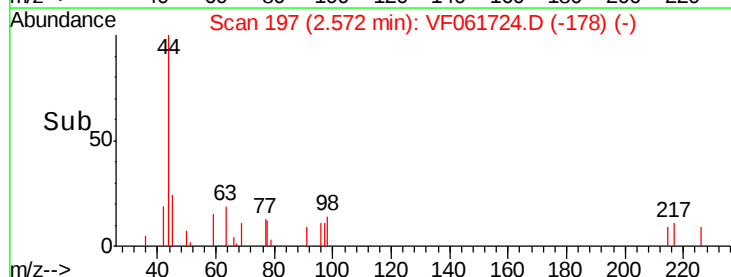
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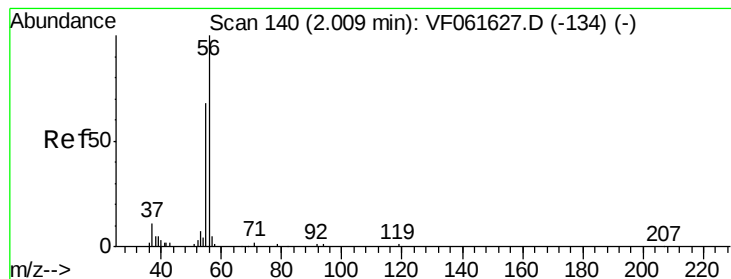
200

100

0

Time-->





#13

Acrolein

Concen: 3.926 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061724.D

Acq: 25 Feb 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

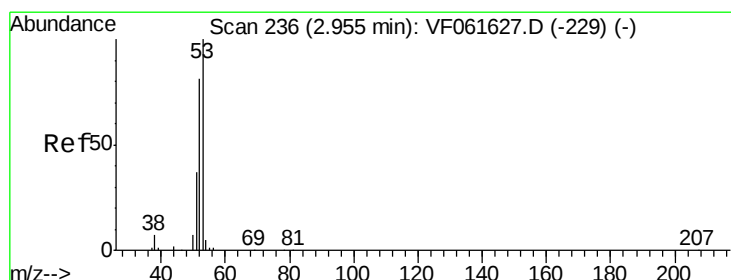
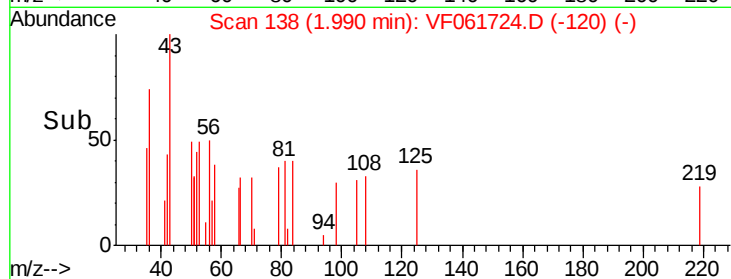
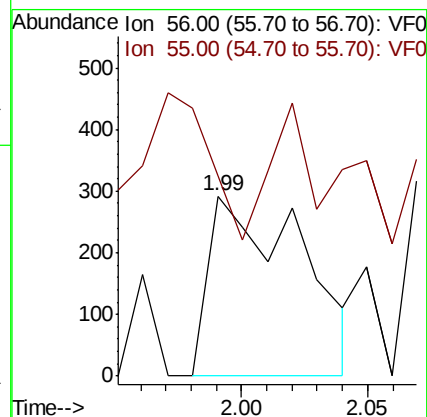
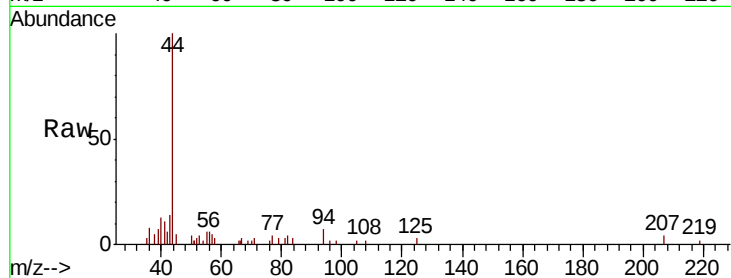
VF0225SBL01

Tgt Ion: 56 Resp: 746

Ion Ratio Lower Upper

56 100

55 111.0 55.0 82.6#



#15

Acrylonitrile

Concen: 3.358 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061724.D

Acq: 25 Feb 2019 12:05

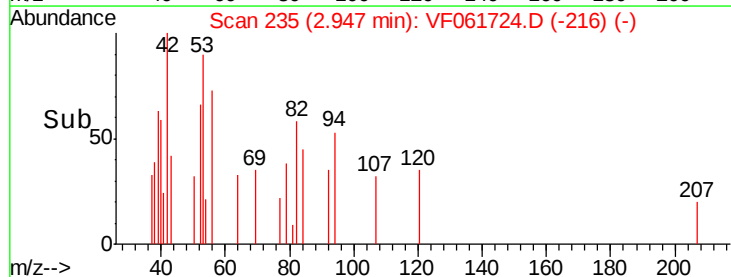
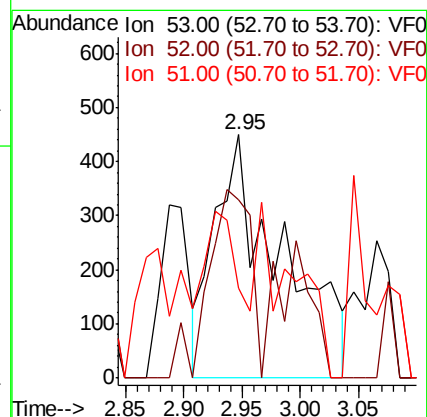
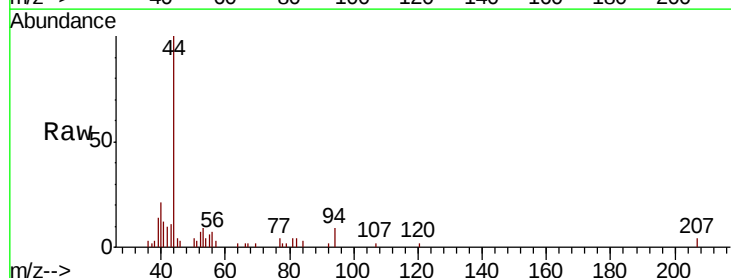
Tgt Ion: 53 Resp: 1801

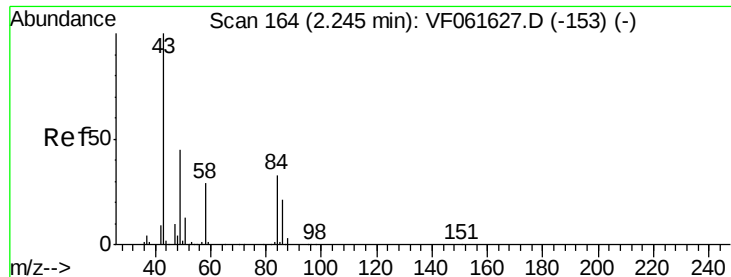
Ion Ratio Lower Upper

53 100

52 73.3 64.6 97.0

51 36.7 29.8 44.8





#16

Acetone

Concen: 4.207 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061724.D

Acq: 25 Feb 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

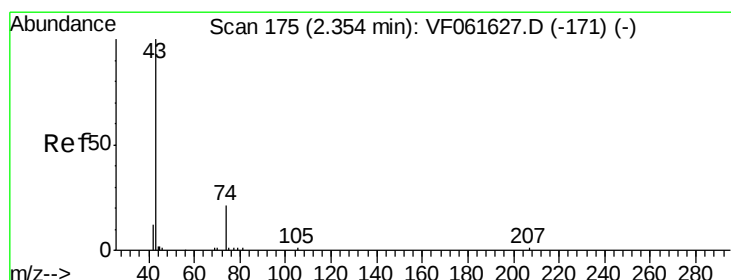
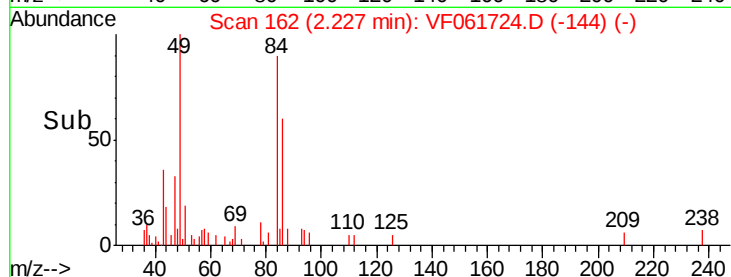
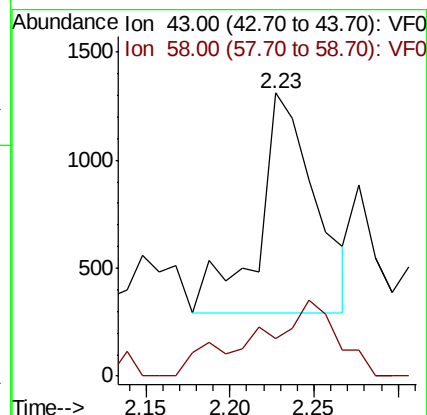
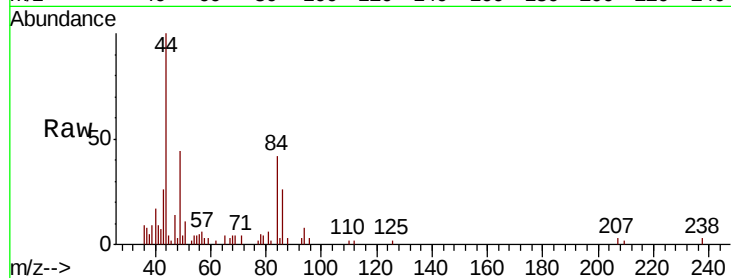
VF0225SBL01

Tgt Ion: 43 Resp: 2358

Ion Ratio Lower Upper

43 100

58 13.1 22.9 34.3#



#18

Methyl Acetate

Concen: 3.616 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.02 min

Lab File: VF061724.D

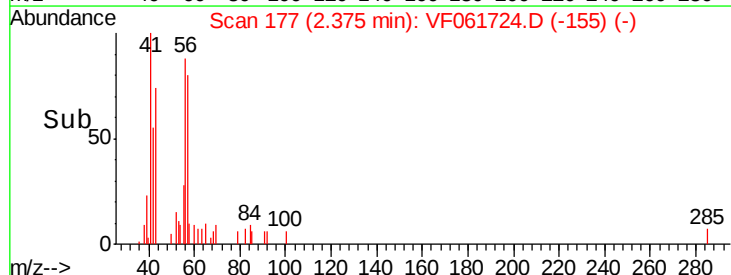
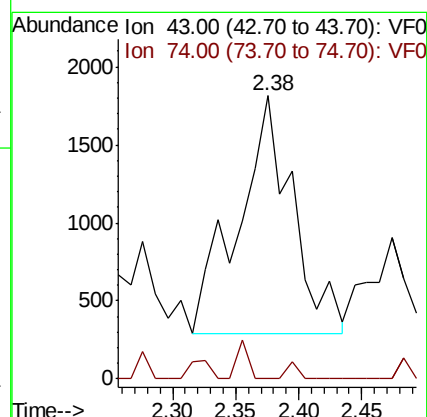
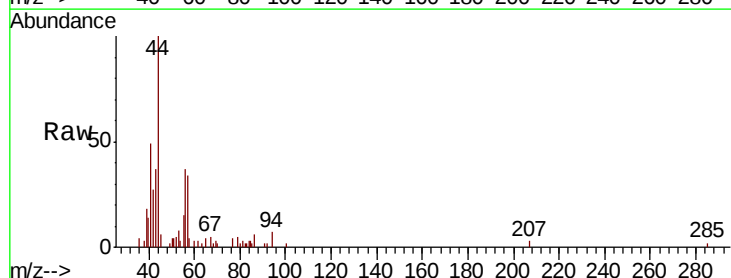
Acq: 25 Feb 2019 12:05

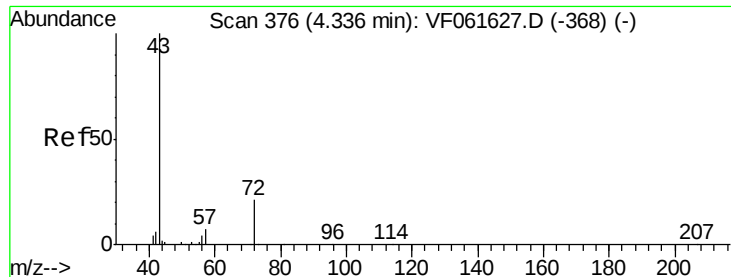
Tgt Ion: 43 Resp: 4566

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

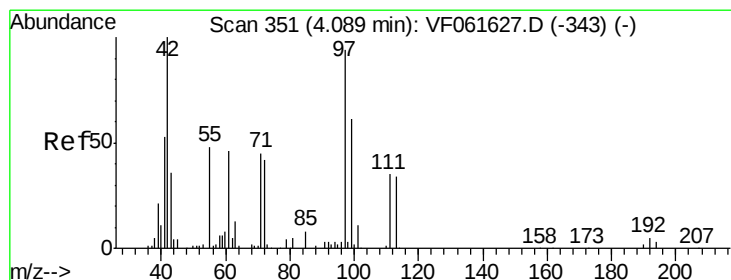
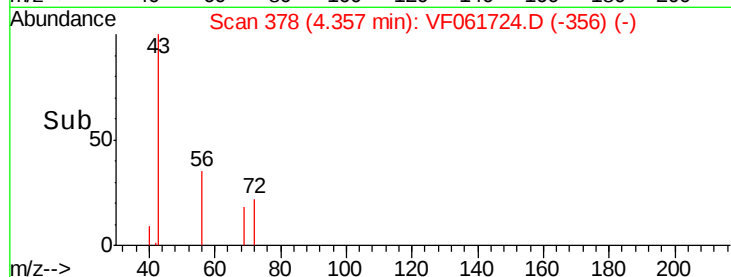
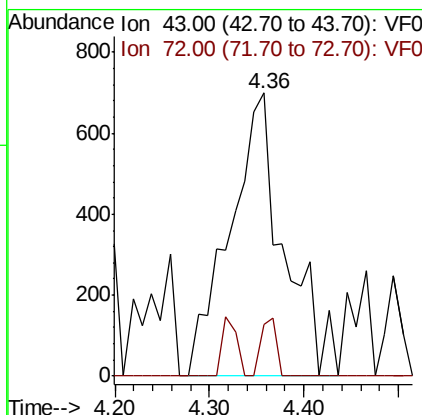
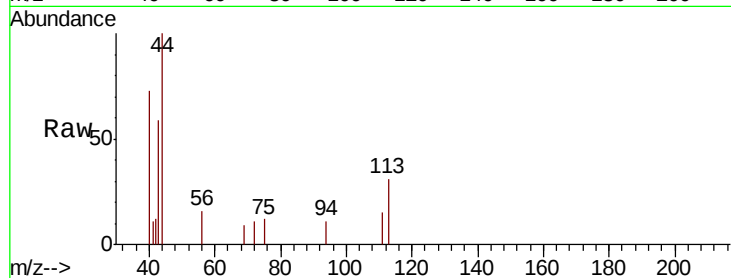




#25
2-Butanone
Concen: 2.284 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061724.D
Acq: 25 Feb 2019 12:05

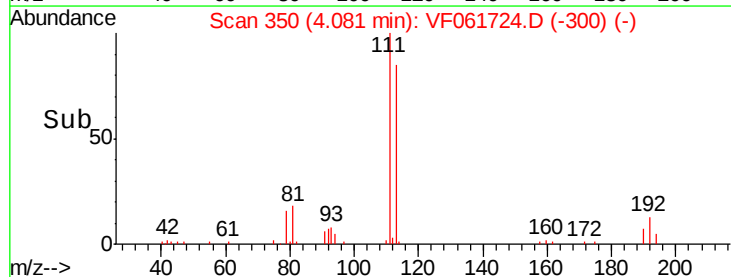
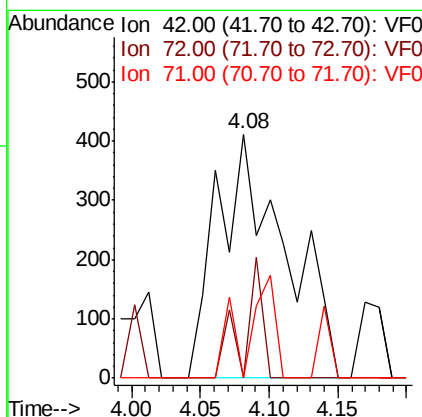
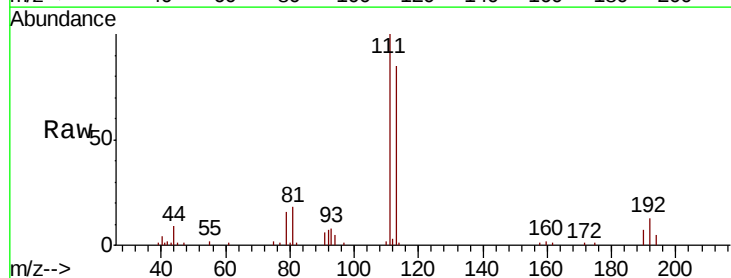
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBL01

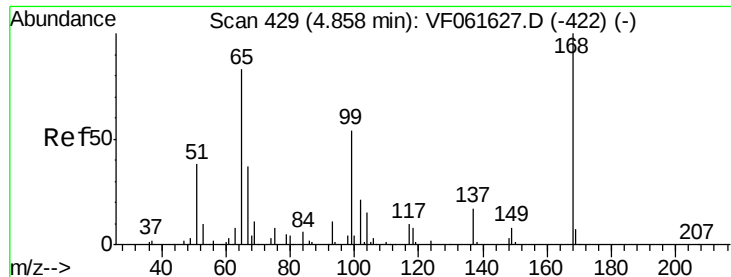
Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
72 18.2 17.1 25.7



#29
Tetrahydrofuran
Concen: 2.548 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061724.D
Acq: 25 Feb 2019 12:05

Tgt Ion: 42 Resp: 1418
Ion Ratio Lower Upper
42 100
72 13.3 35.2 52.8#
71 18.0 32.9 49.3#

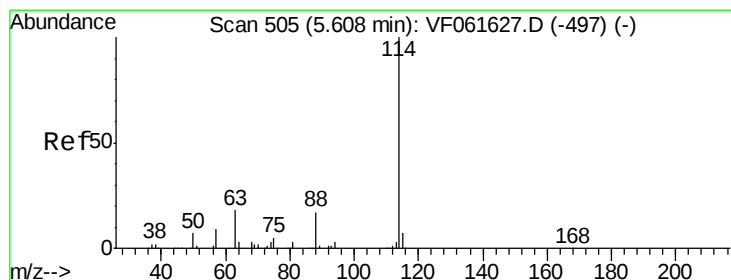
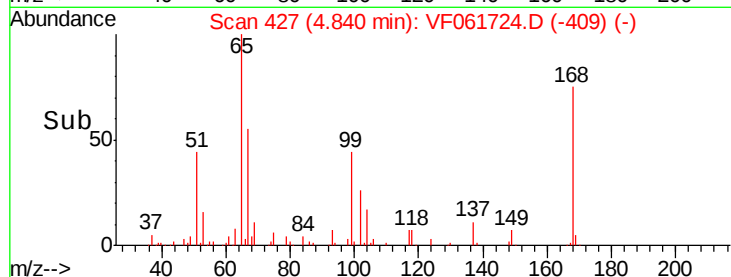
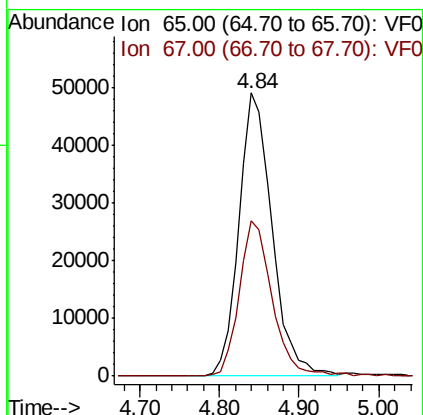
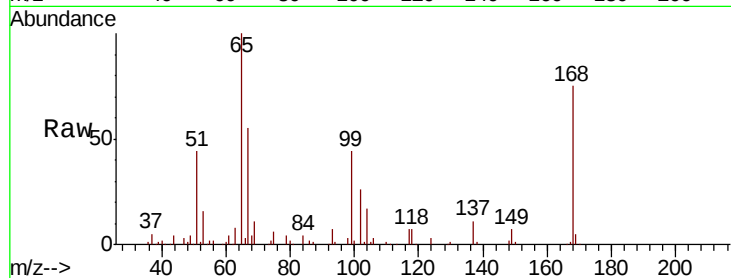




#33
 1,2-Dichloroethane-d4
 Concen: 54.092 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF061724.D
 Acq: 25 Feb 2019 12:05

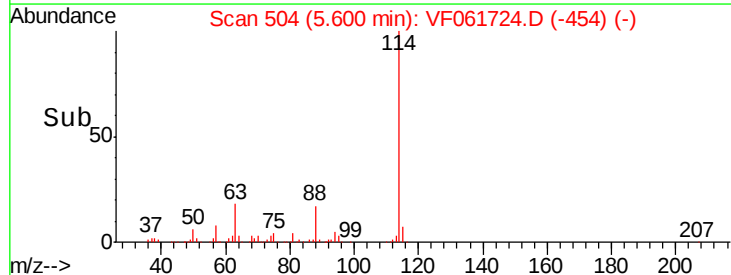
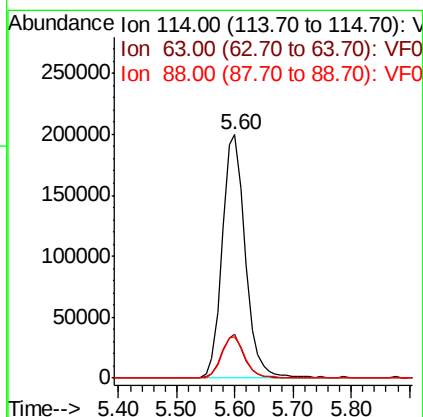
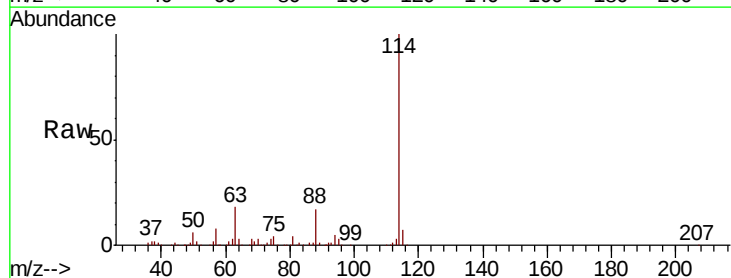
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 ClientSampleId :
 VF0225SBL01

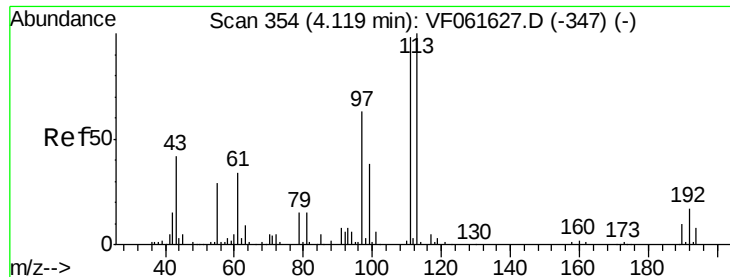
Tgt Ion: 65 Resp: 141319
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061724.D
 Acq: 25 Feb 2019 12:05

Tgt Ion: 114 Resp: 550436
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.6
 88 17.3 0.0 34.4

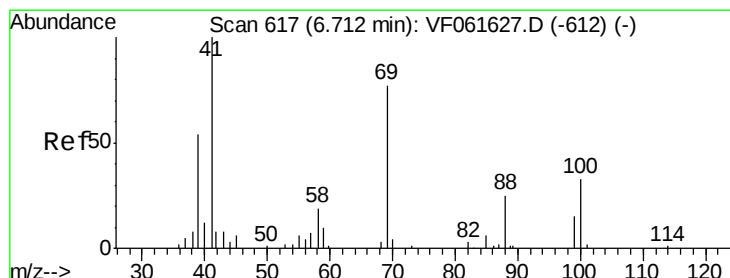
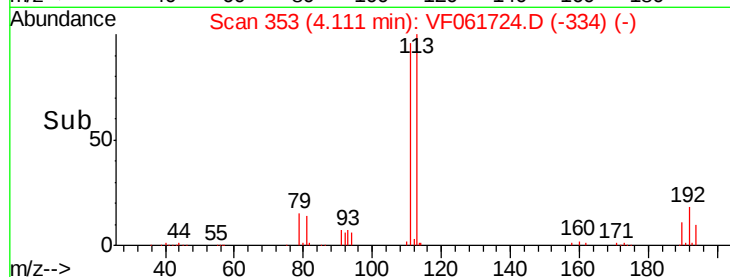
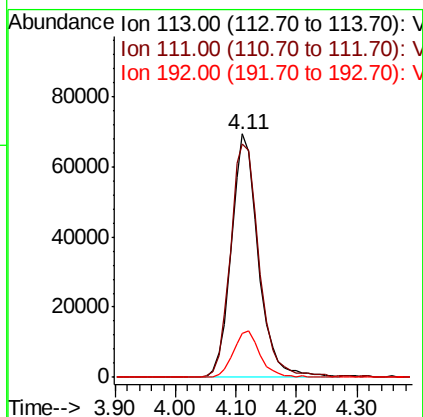
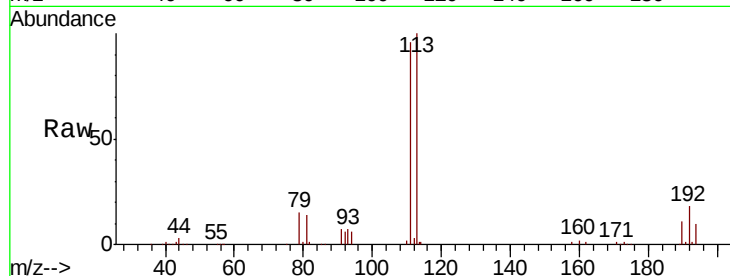




#35
 Dibromofluoromethane
 Concen: 52.485 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061724.D
 Acq: 25 Feb 2019 12:05

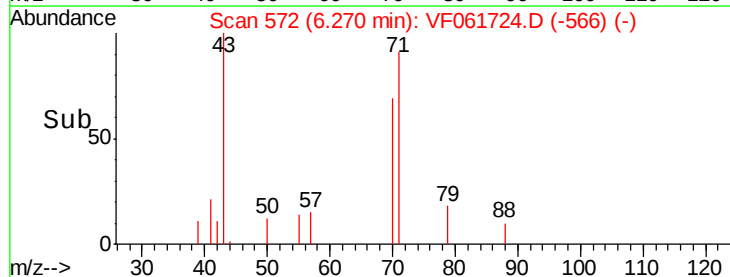
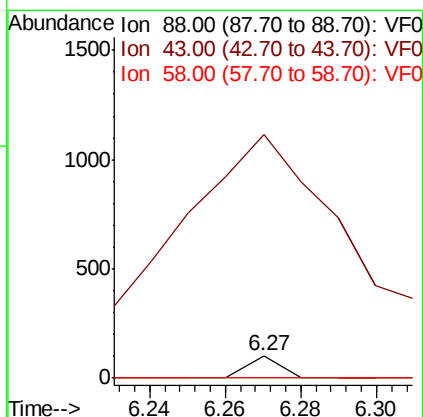
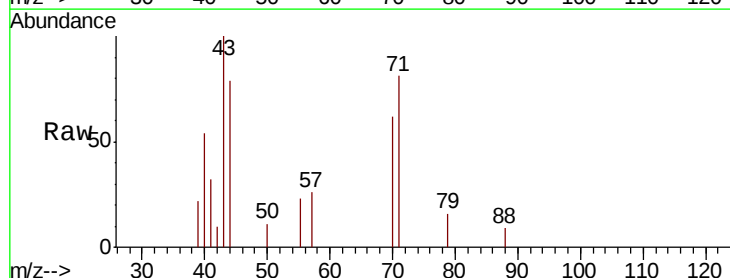
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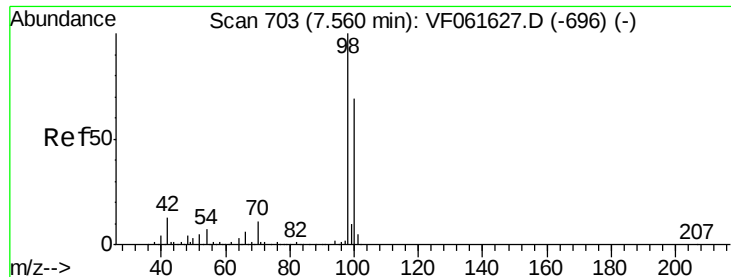
Tgt Ion:113 Resp: 214537
 Ion Ratio Lower Upper
 113 100
 111 95.9 78.8 118.2
 192 18.8 13.4 20.0



#49
 1,4-Dioxane
 Concen: 3.656 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. -0.44 min
 Lab File: VF061724.D
 Acq: 25 Feb 2019 12:05

Tgt Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 1071.2 32.3 48.5#
 58 0.0 59.4 89.2#

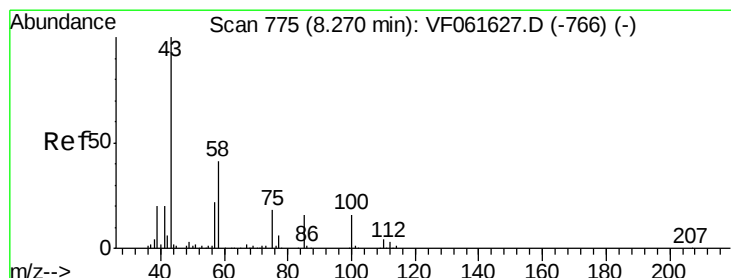
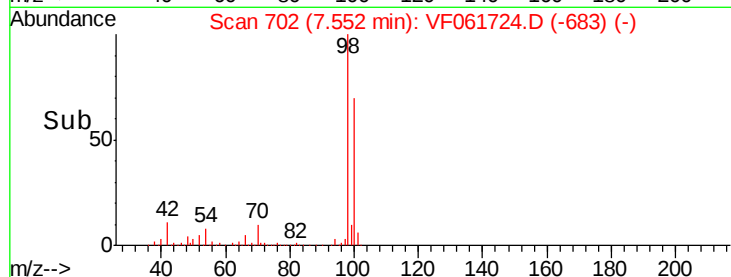
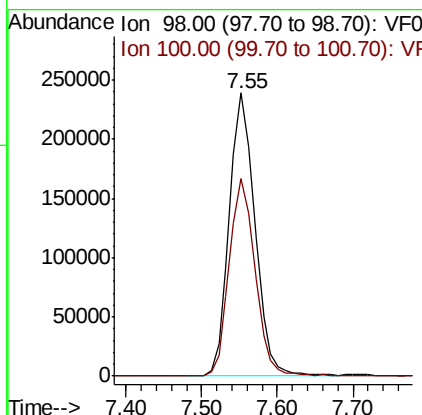
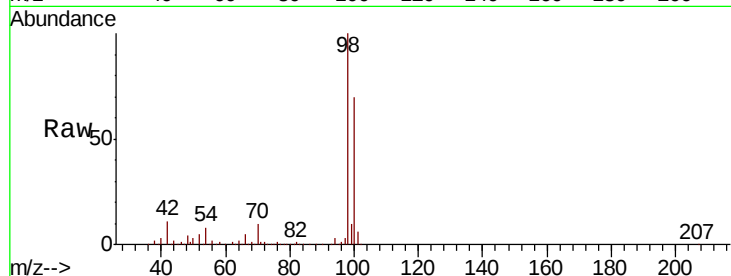




#50
Toluene-d8
Concen: 48.136 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061724.D
Acq: 25 Feb 2019 12:05

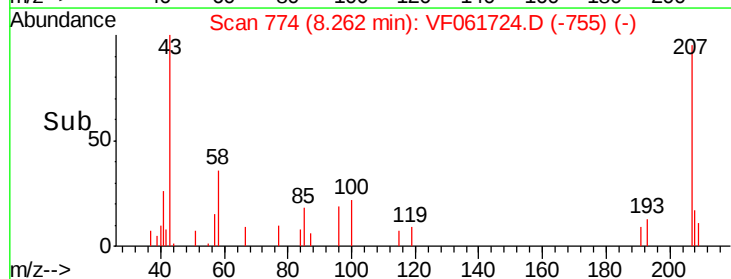
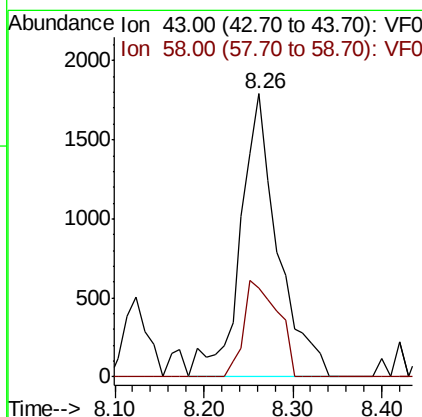
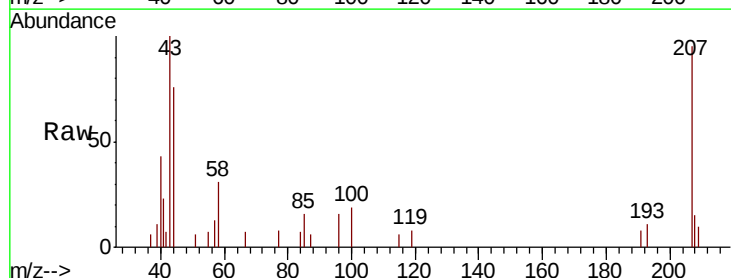
Instrument :
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ClientSampleId :
VF0225SBL01

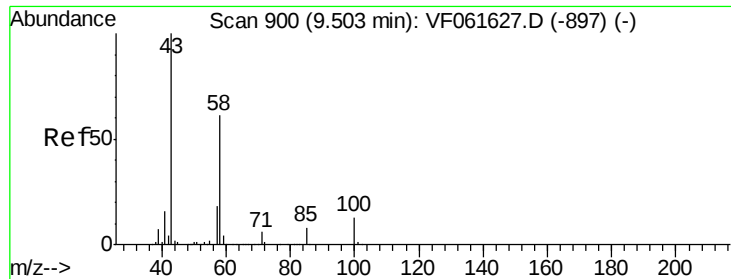
Tgt Ion: 98 Resp: 565624
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 2.435 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061724.D
Acq: 25 Feb 2019 12:05

Tgt Ion: 43 Resp: 5215
Ion Ratio Lower Upper
43 100
58 31.4 33.1 49.7#

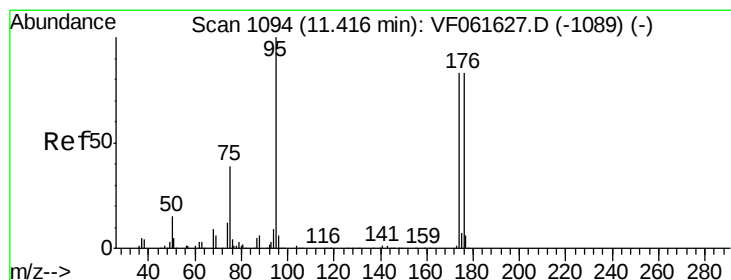
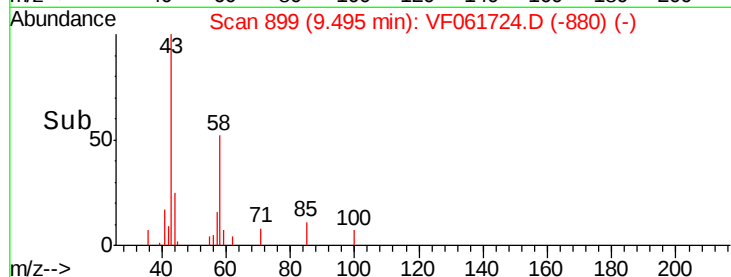
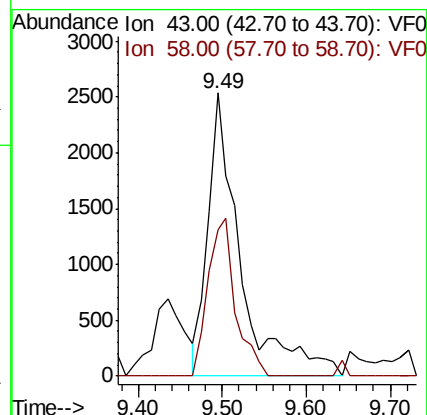
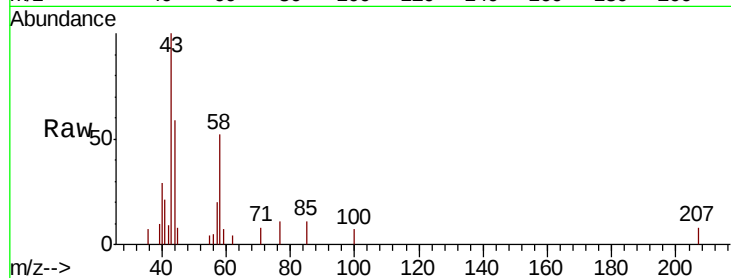




#59
2-Hexanone
Concen: 4.547 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061724.D
Acq: 25 Feb 2019 12:05

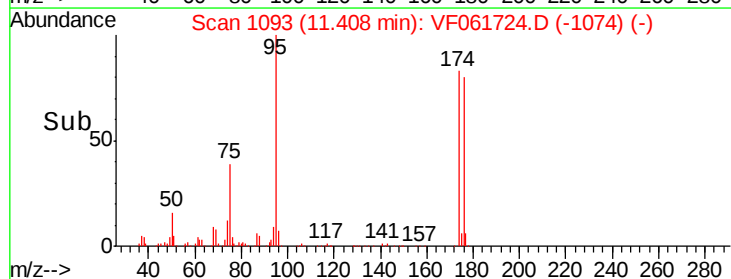
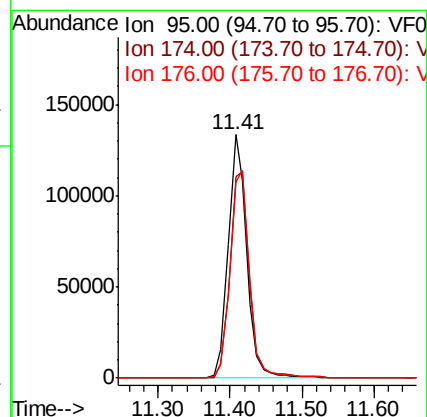
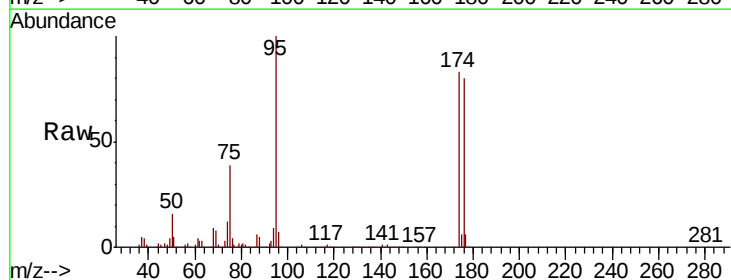
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBL01

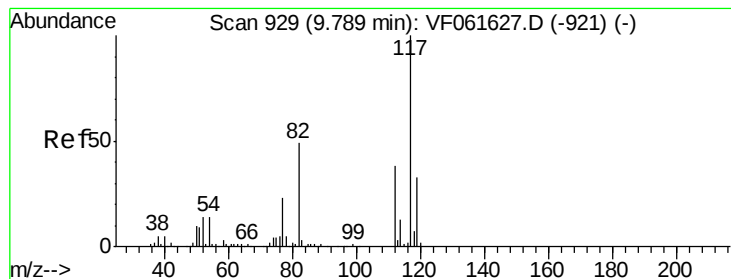
Tgt Ion: 43 Resp: 6827
Ion Ratio Lower Upper
43 100
58 51.9 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 49.941 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061724.D
Acq: 25 Feb 2019 12:05

Tgt Ion: 95 Resp: 237446
Ion Ratio Lower Upper
95 100
174 82.7 0.0 165.8
176 80.4 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061724.D

Acq: 25 Feb 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBL01

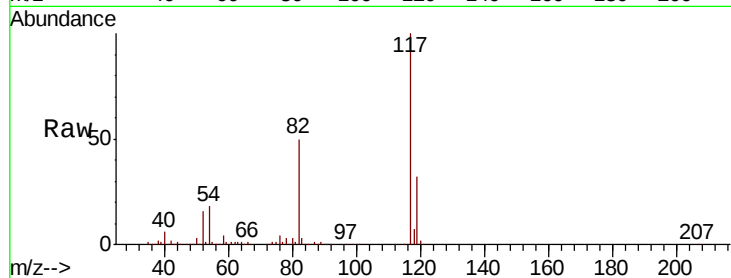
Tgt Ion:117 Resp: 486094

Ion Ratio Lower Upper

117 100

82 49.9 39.3 58.9

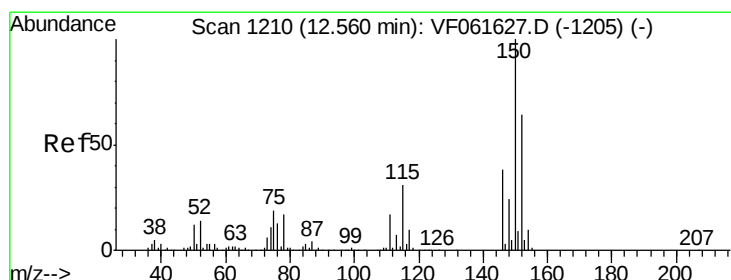
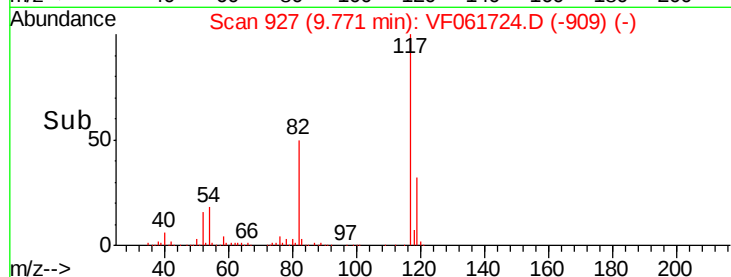
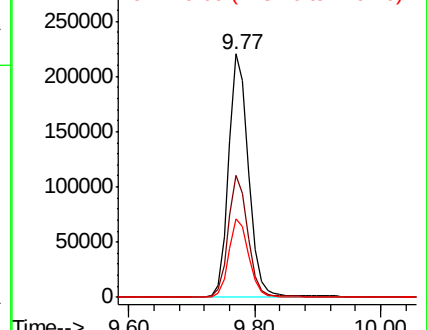
119 32.5 26.6 40.0



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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061724.D

Acq: 25 Feb 2019 12:05

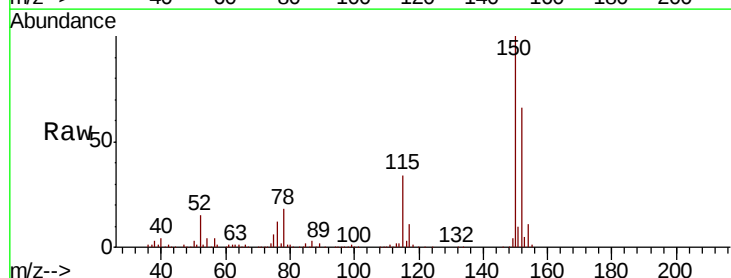
Tgt Ion:152 Resp: 280452

Ion Ratio Lower Upper

152 100

115 51.1 24.3 72.8

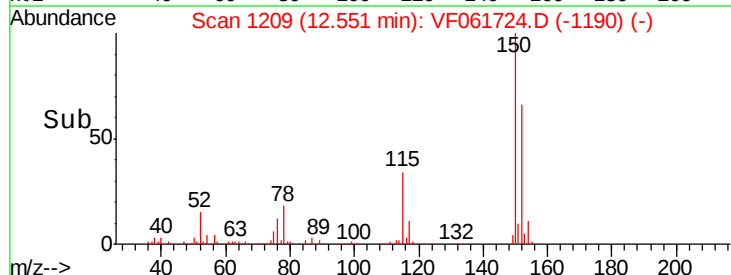
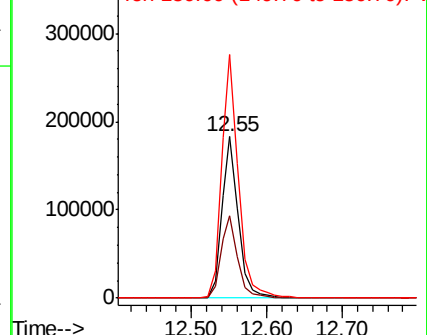
150 150.9 0.0 312.0

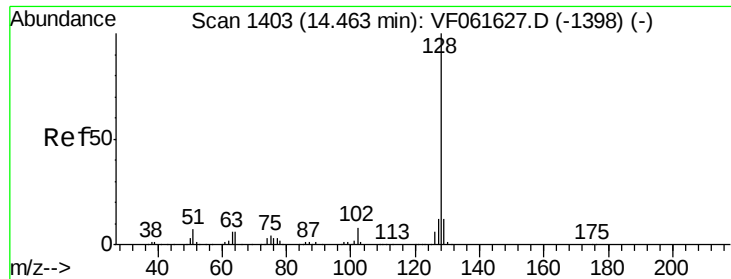


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

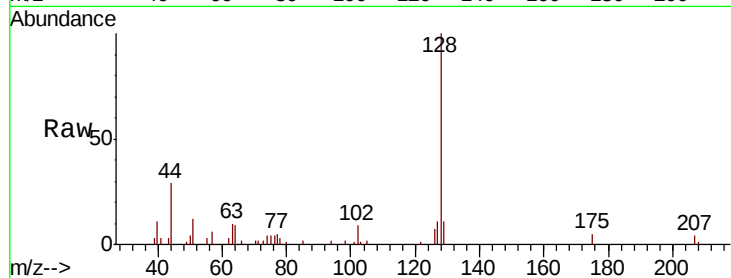




#95
 Naphthalene
 Concen: 1.118 ug/l
 RT: 14.45 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VF061724.D
 Acq: 25 Feb 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	9.8	14.6
129	10.6	9.4	14.2



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

