

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
 Data File : VF061186.D
 Acq On : 26 Dec 2018 14:10
 Operator : VA/AP
 Sample : J6447-06
 Misc : 3.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-0006-01

Quant Time: Dec 26 23:51:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

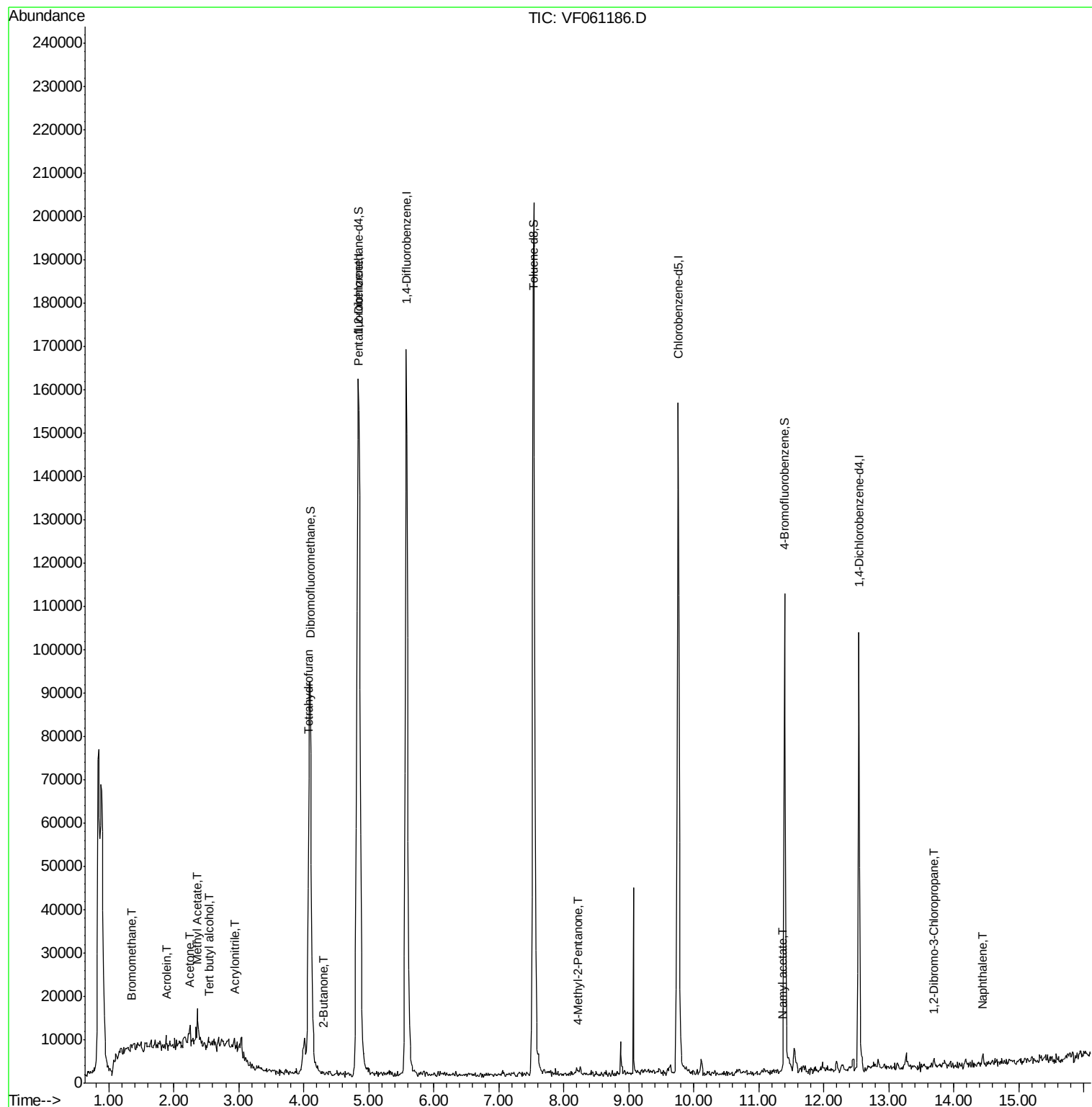
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	101086	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	184849	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	107498	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	25229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	96548	74.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	148.52%	
35) Dibromofluoromethane	4.09	113	90171	60.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	121.80%	
50) Toluene-d8	7.54	98	171716	40.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.84%	
62) 4-Bromofluorobenzene	11.40	95	43873	22.68	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	45.36%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.35	94	858	1.036	ug/l #	3
11) Tert butyl alcohol	2.55	59	190	3.621	ug/l #	1
13) Acrolein	1.90	56	239	6.304	ug/l	96
15) Acrylonitrile	2.92	53	371	3.058	ug/l #	16
16) Acetone	2.23	43	2659	10.230	ug/l	96
18) Methyl Acetate	2.36	43	6113	11.368	ug/l #	66
20) Methylene Chloride	2.25	84	1276	Below Cal	#	90
25) 2-Butanone	4.32	43	585	1.388	ug/l #	57
29) Tetrahydrofuran	4.07	42	679	3.958	ug/l #	56
51) 4-Methyl-2-Pentanone	8.23	43	1424	1.927	ug/l #	38
70) Styrene	10.79	104	195	Below Cal	#	30
74) N-amyl acetate	11.36	43	688	1.425	ug/l #	55
87) 1,3-Dichlorobenzene	12.46	146	162	Below Cal	#	25
92) 1,2-Dibromo-3-Chloropropan	13.70	75	69	1.042	ug/l #	2
95) Naphthalene	14.45	128	1560	1.440	ug/l #	82

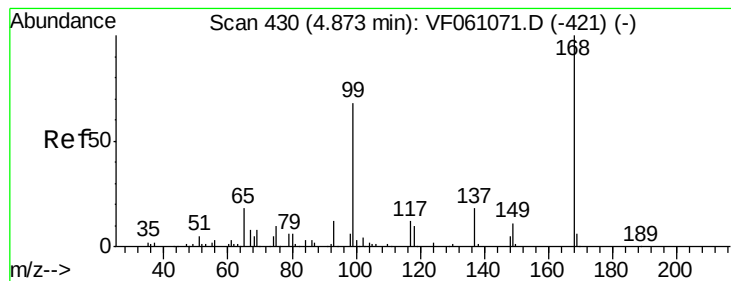
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061186.D

Acq: 26 Dec 2018 14:10

Instrument :

MSVOA_F

ClientSampleId :

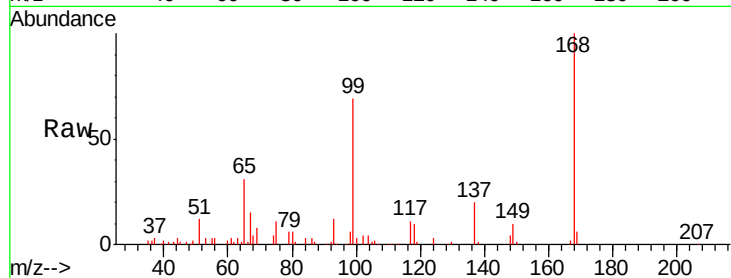
P001-SS025-0006-01

Tgt Ion:168 Resp: 101086

Ion Ratio Lower Upper

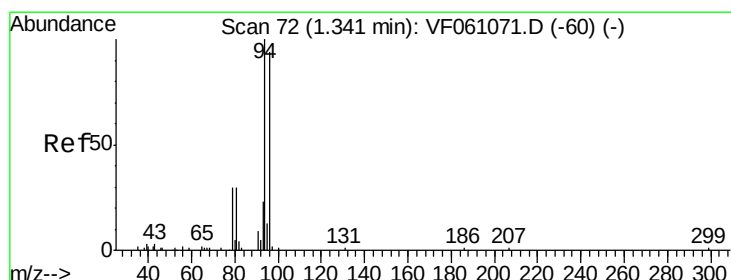
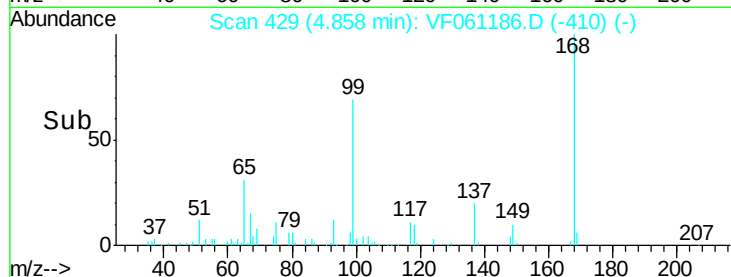
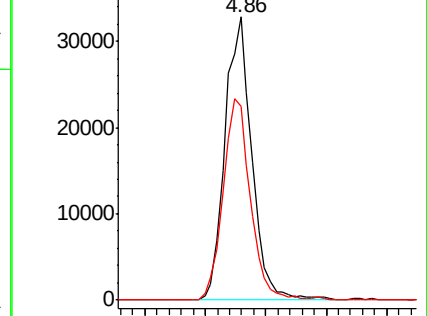
168 100

99 68.7 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 1.036 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061186.D

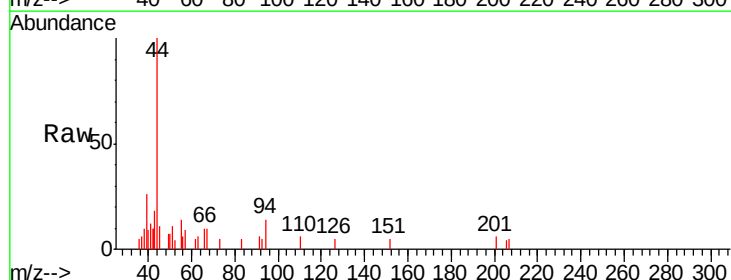
Acq: 26 Dec 2018 14:10

Tgt Ion: 94 Resp: 858

Ion Ratio Lower Upper

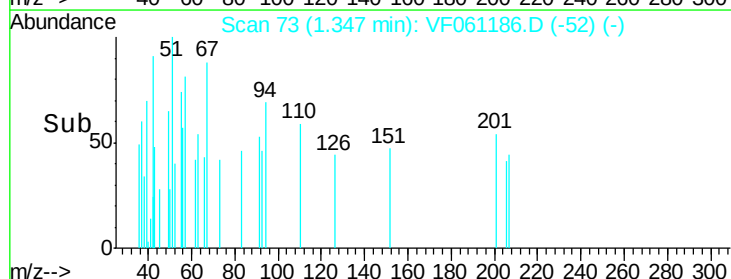
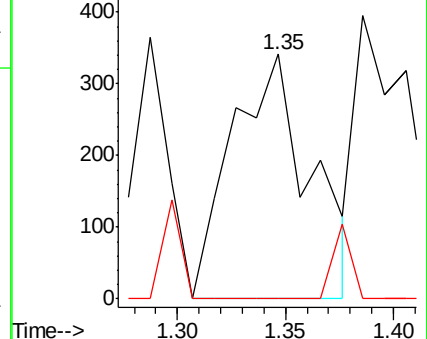
94 100

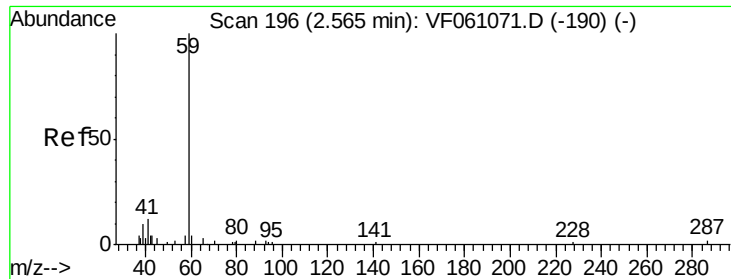
96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

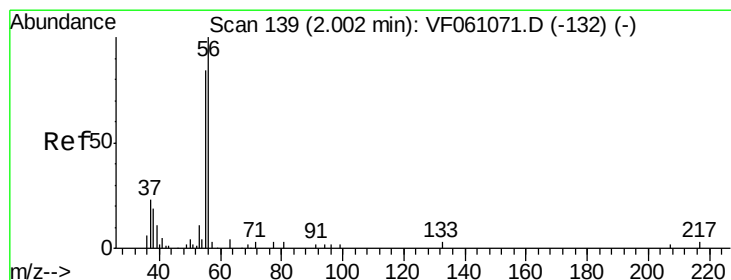
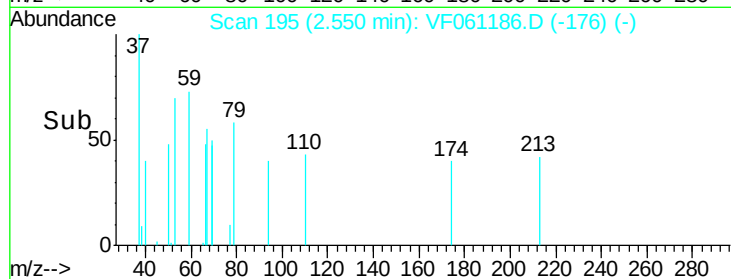
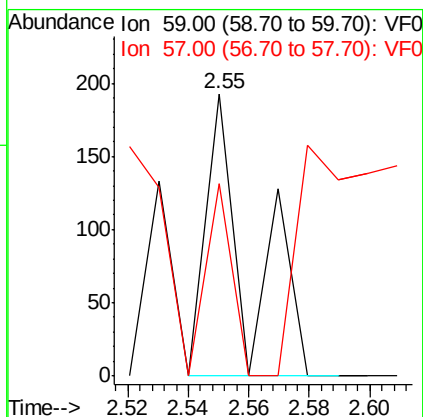
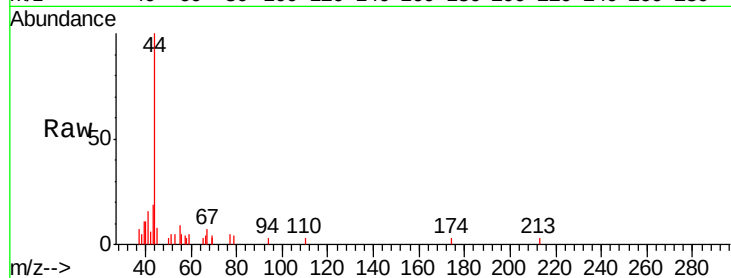




#11
Tert butyl alcohol
Concen: 3.621 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

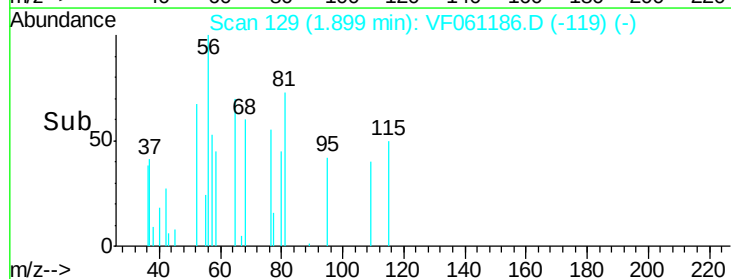
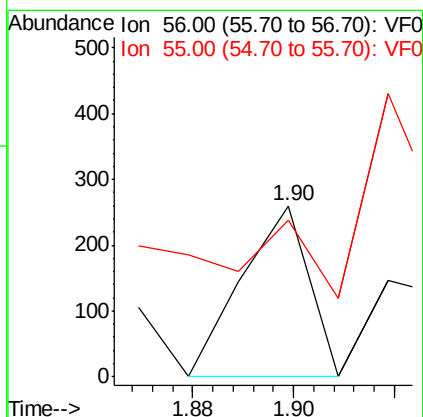
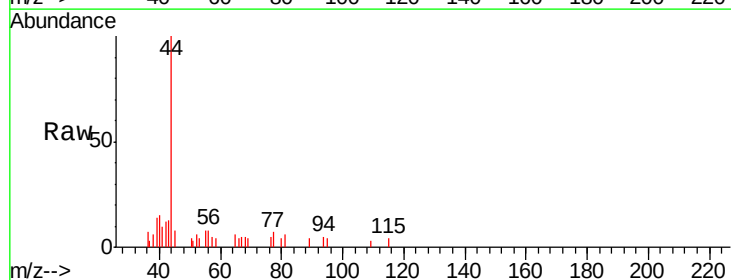
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-0006-01

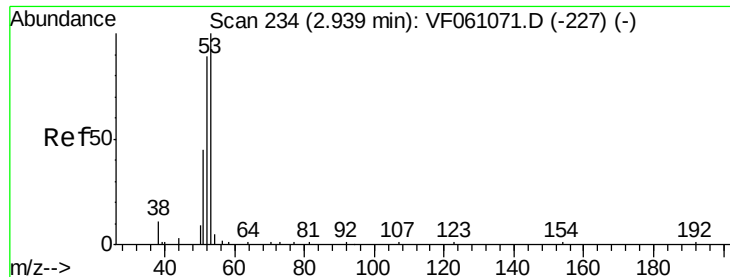
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 67.9 11.5 17.3#



#13
Acrolein
Concen: 6.304 ug/l
RT: 1.90 min Scan# 129
Delta R.T. -0.10 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 91.5 70.2 105.2





#15

Acrylonitrile

Concen: 3.058 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061186.D

Acq: 26 Dec 2018 14:10

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-0006-01

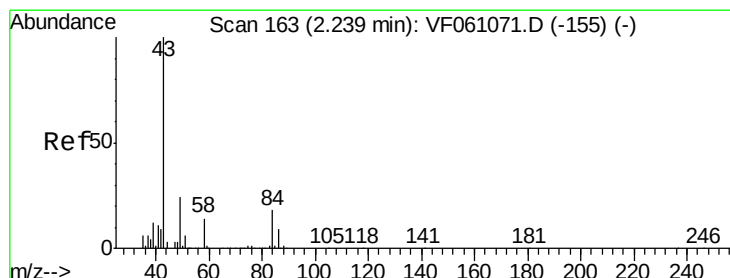
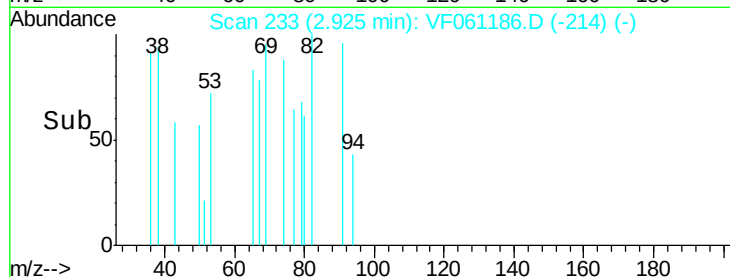
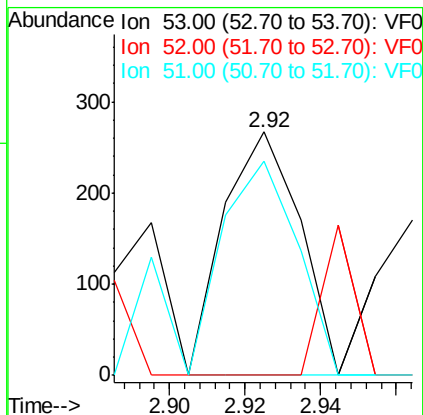
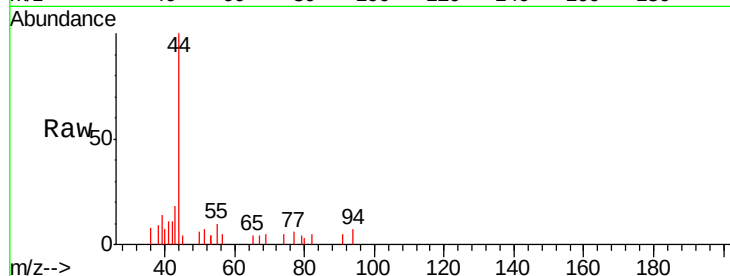
Tgt Ion: 53 Resp: 371

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 88.0 36.8 55.2#



#16

Acetone

Concen: 10.230 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061186.D

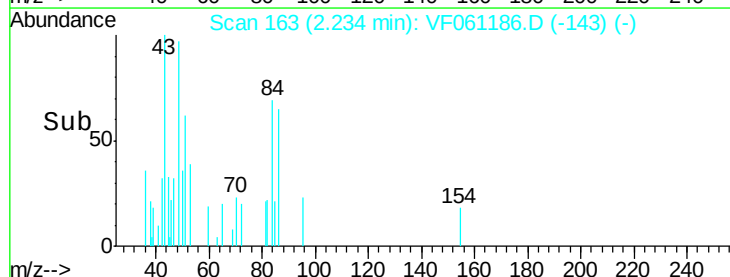
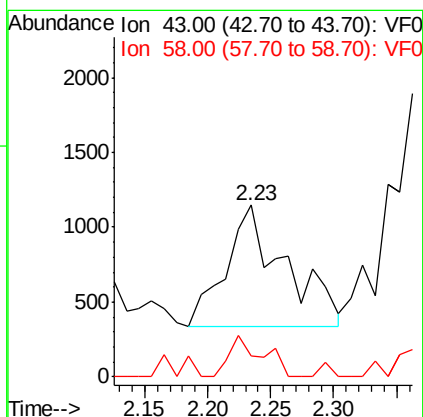
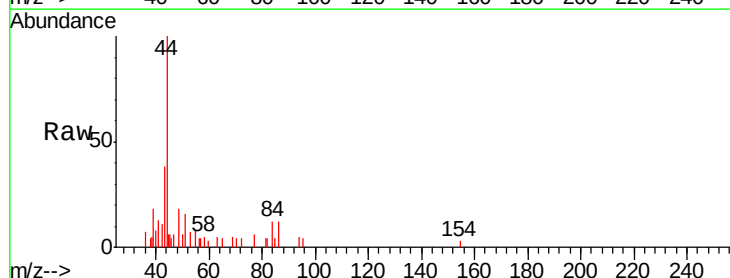
Acq: 26 Dec 2018 14:10

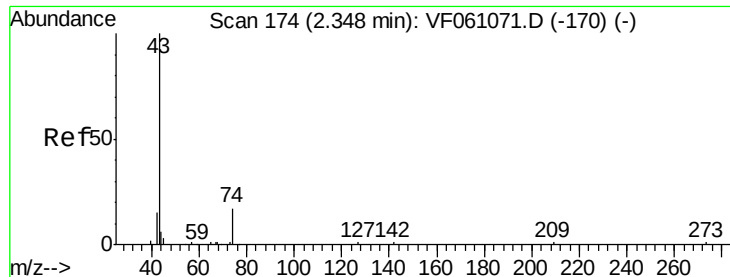
Tgt Ion: 43 Resp: 2659

Ion Ratio Lower Upper

43 100

58 12.4 11.1 16.7

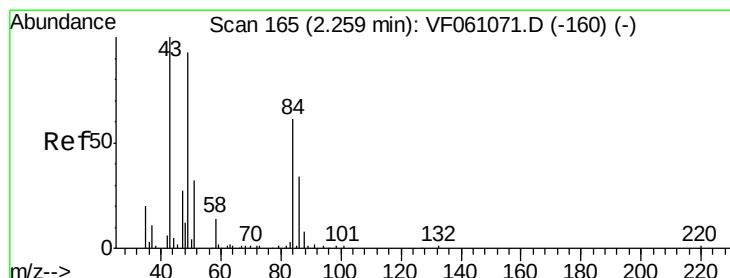
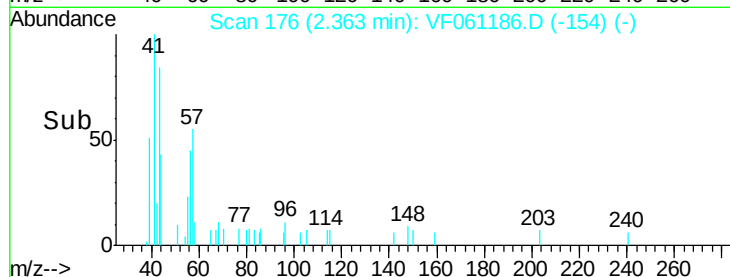
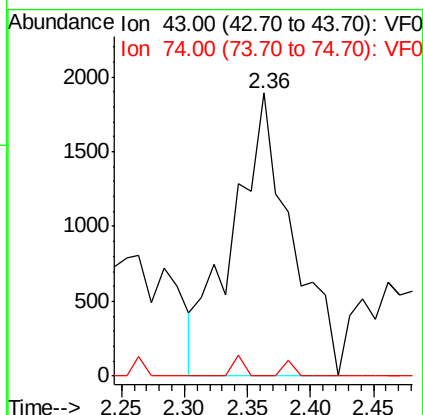
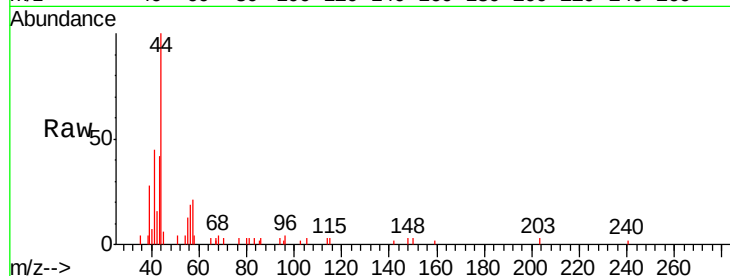




#18
Methyl Acetate
Concen: 11.368 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

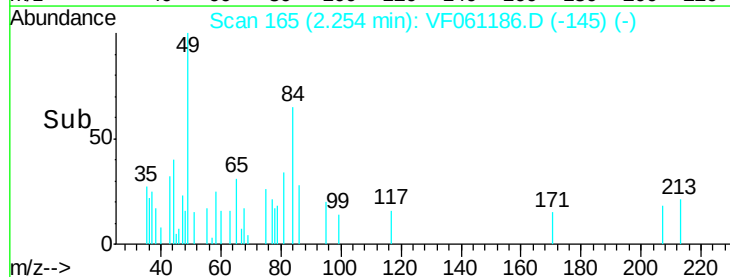
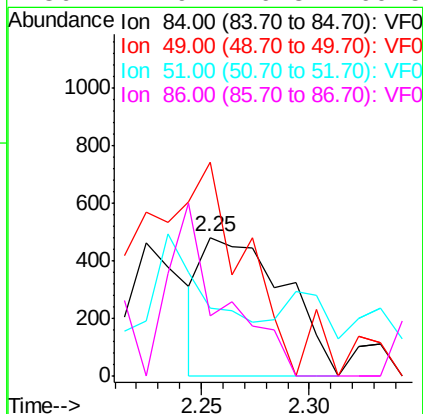
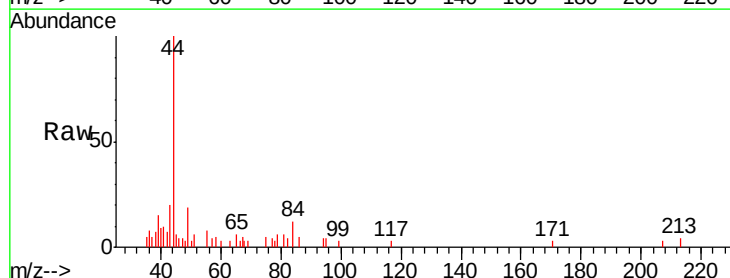
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-0006-01

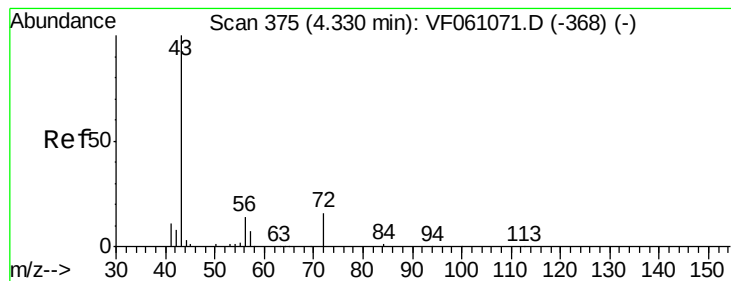
Tgt Ion: 43 Resp: 6113
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

Tgt Ion: 84 Resp: 1276
Ion Ratio Lower Upper
84 100
49 153.7 129.4 194.2
51 48.8 44.0 66.0
86 42.9 46.3 69.5#





#25

2-Butanone

Concen: 1.388 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061186.D

Acq: 26 Dec 2018 14:10

Instrument :

MSVOA_F

ClientSampleId :

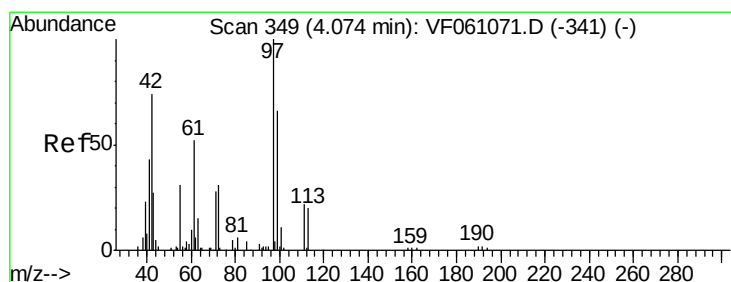
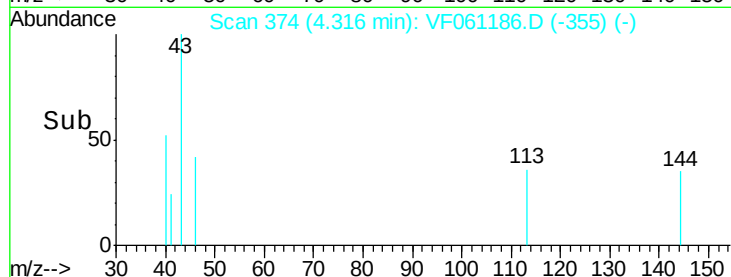
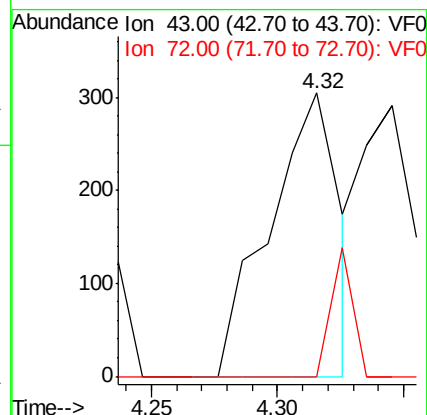
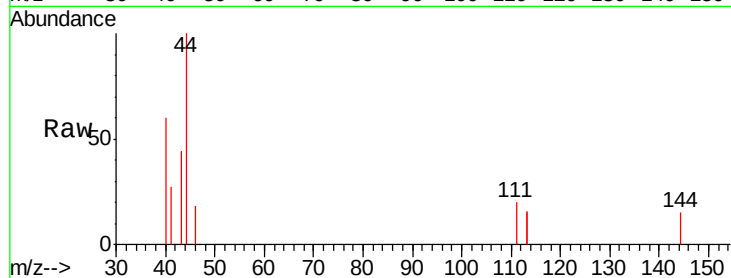
P001-SS025-0006-01

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

72 0.0 15.6 23.4#



#29

Tetrahydrofuran

Concen: 3.958 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061186.D

Acq: 26 Dec 2018 14:10

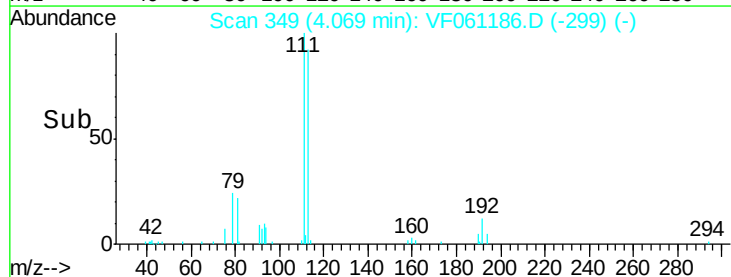
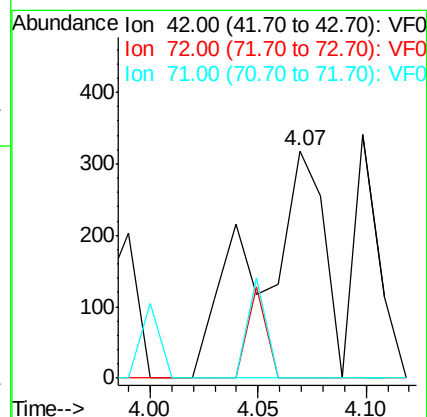
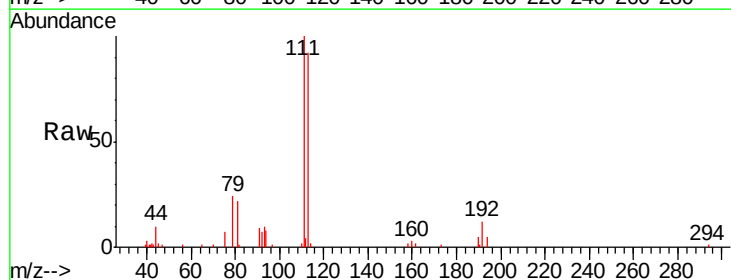
Tgt Ion: 42 Resp: 679

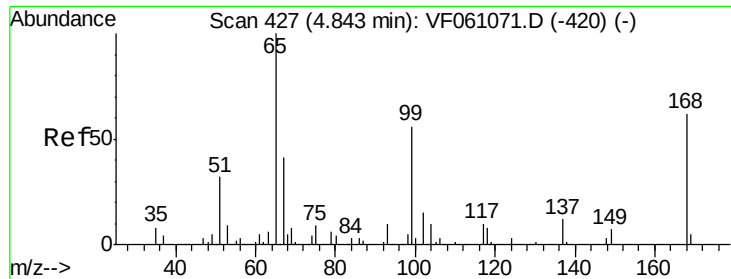
Ion Ratio Lower Upper

42 100

72 11.2 31.8 47.8#

71 12.2 29.7 44.5#

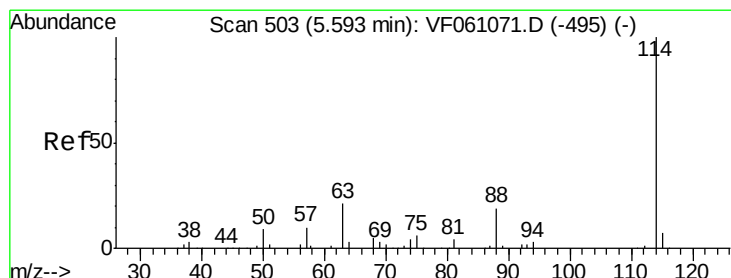
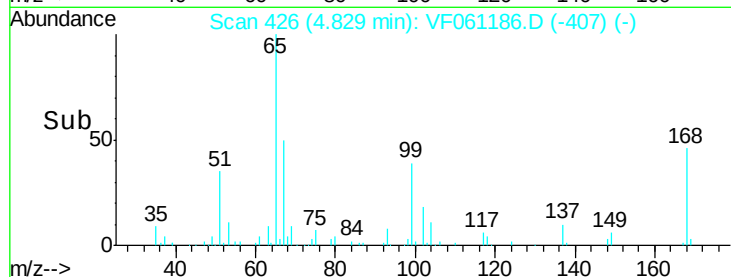
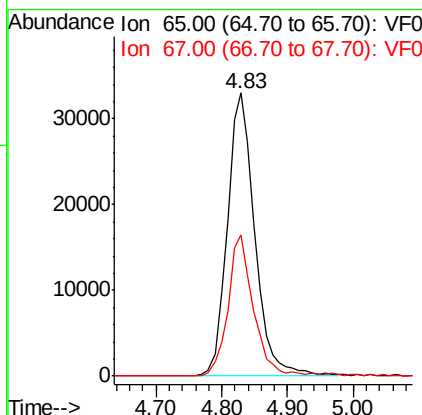
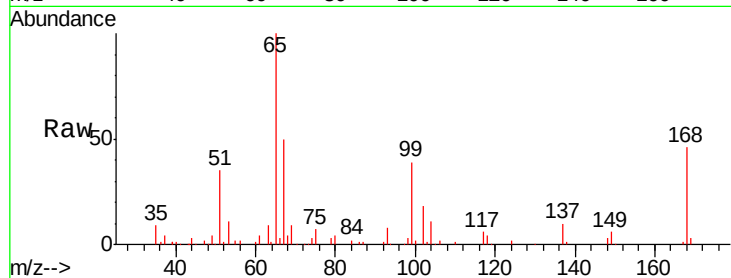




#33
 1,2-Dichloroethane-d4
 Concen: 74.260 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061186.D
 Acq: 26 Dec 2018 14:10

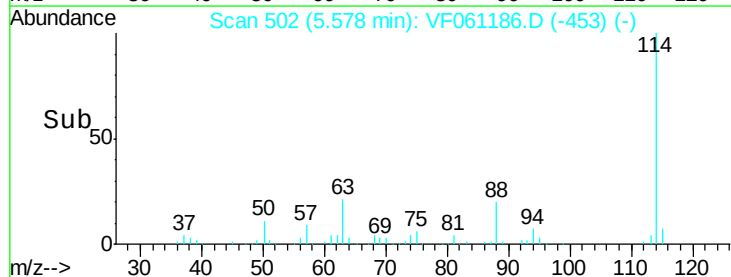
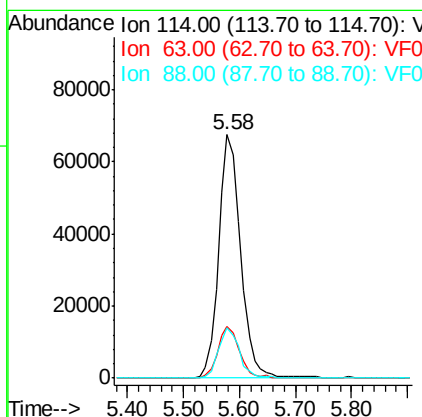
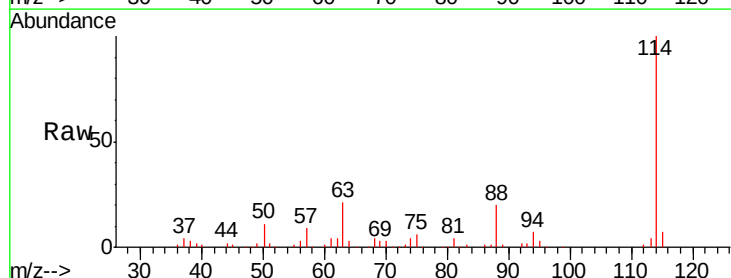
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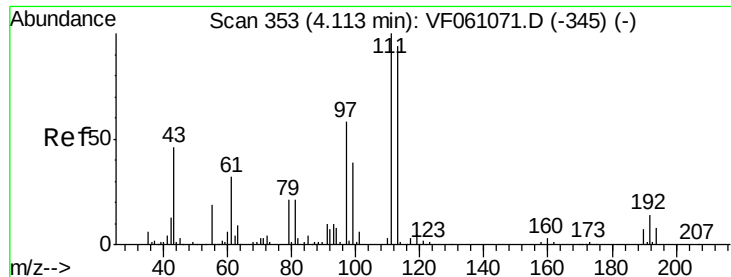
Tgt Ion: 65 Resp: 96548
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061186.D
 Acq: 26 Dec 2018 14:10

Tgt Ion: 114 Resp: 184849
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 20.5 0.0 38.0

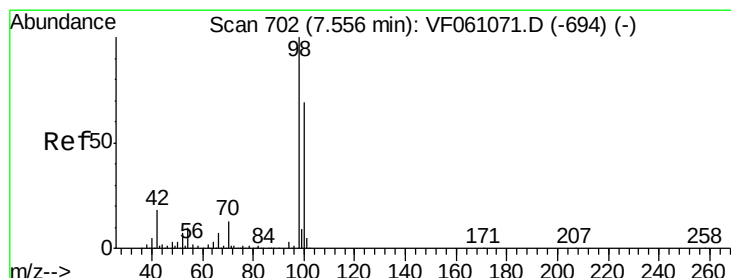
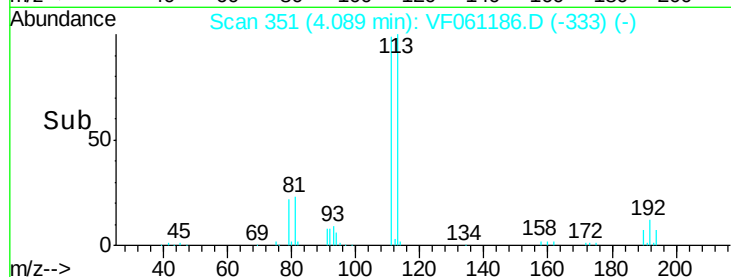
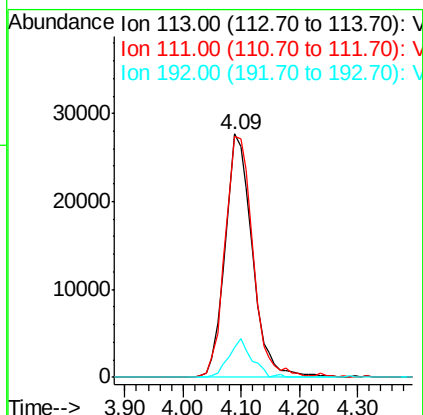
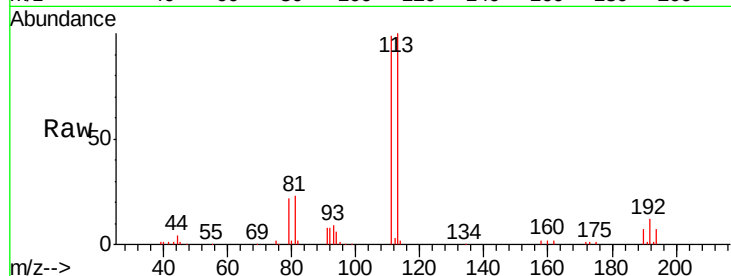




#35
Dibromofluoromethane
Concen: 60.896 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

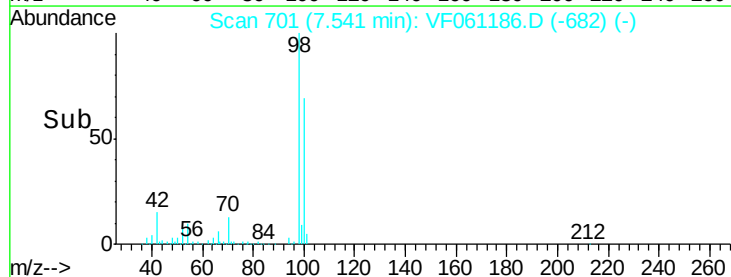
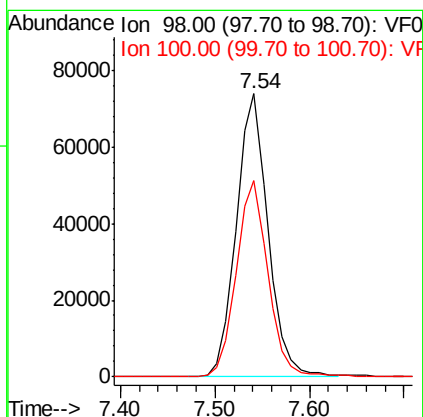
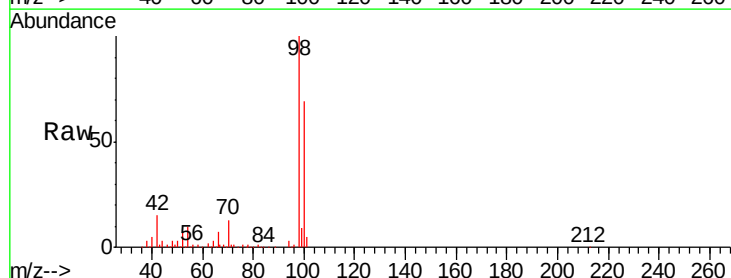
Instrument :
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P001-SS025-0006-01

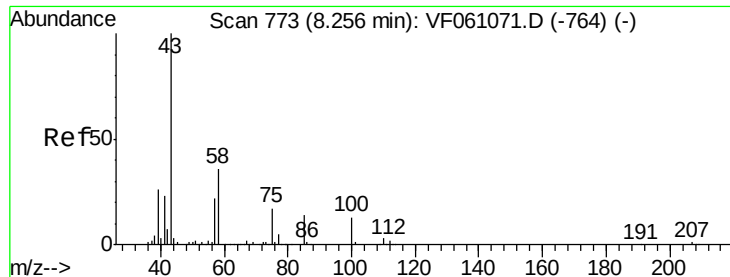
Tgt Ion: 113 Resp: 90171
Ion Ratio Lower Upper
113 100
111 98.8 85.2 127.8
192 12.5 12.8 19.2#



#50
Toluene-d8
Concen: 40.921 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

Tgt Ion: 98 Resp: 171716
Ion Ratio Lower Upper
98 100
100 69.2 55.3 82.9

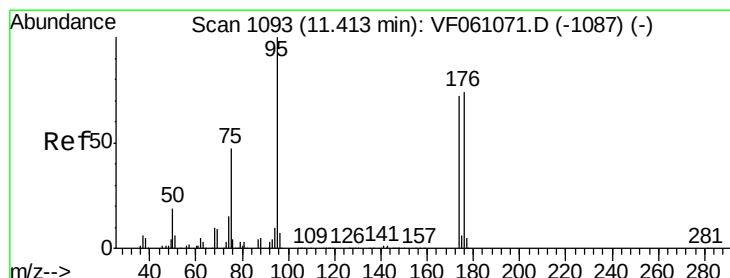
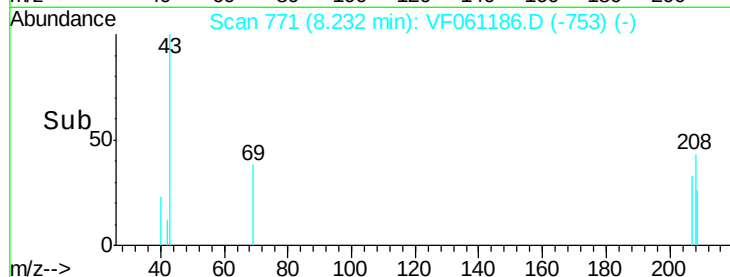
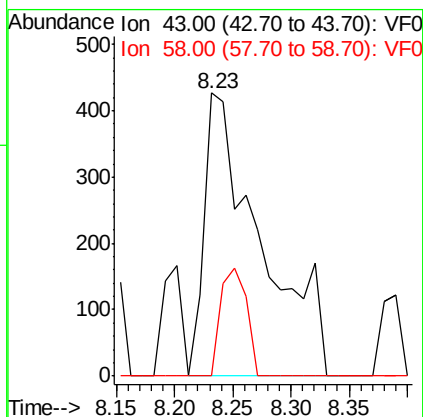
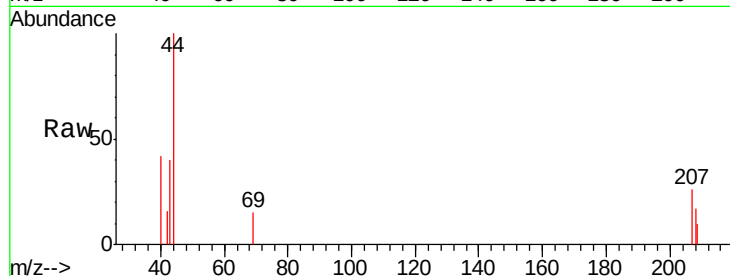




#51
 4-Methyl-2-Pentanone
 Concen: 1.927 ug/l
 RT: 8.23 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: VF061186.D
 Acq: 26 Dec 2018 14:10

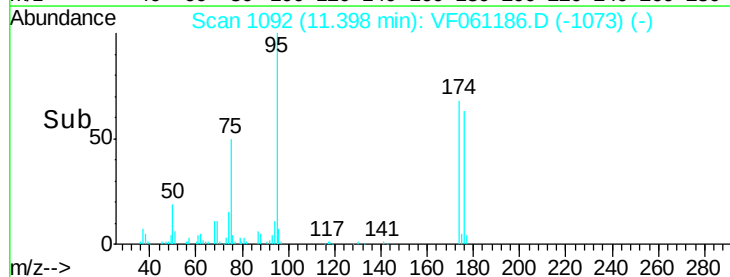
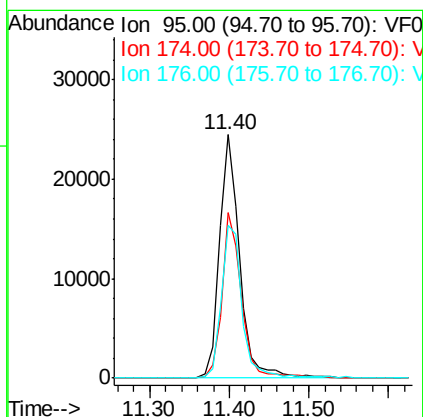
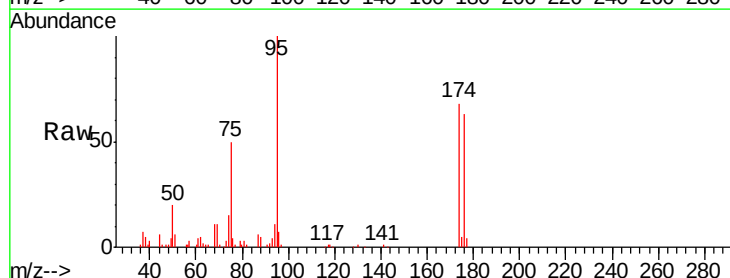
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-0006-01

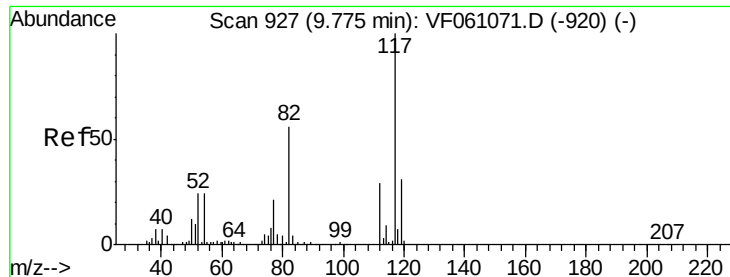
Tgt Ion: 43 Resp: 1424
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.1 43.7#



#62
 4-Bromofluorobenzene
 Concen: 22.679 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VF061186.D
 Acq: 26 Dec 2018 14:10

Tgt Ion: 95 Resp: 43873
 Ion Ratio Lower Upper
 95 100
 174 67.8 0.0 143.8
 176 62.7 0.0 147.6

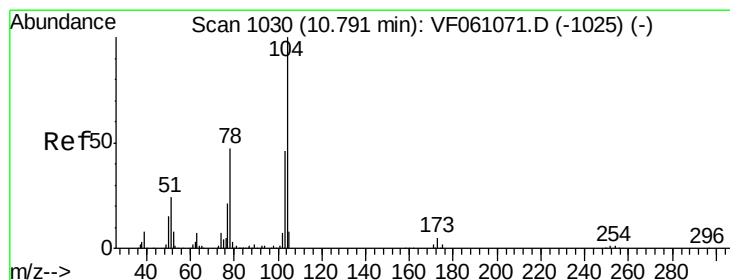
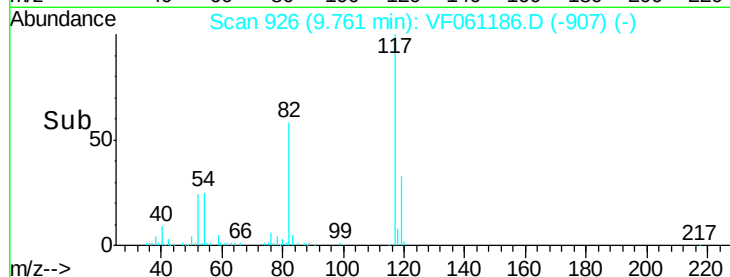
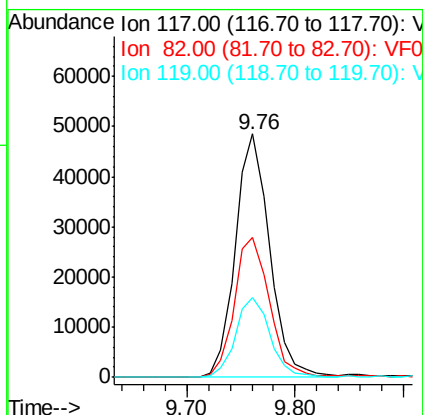
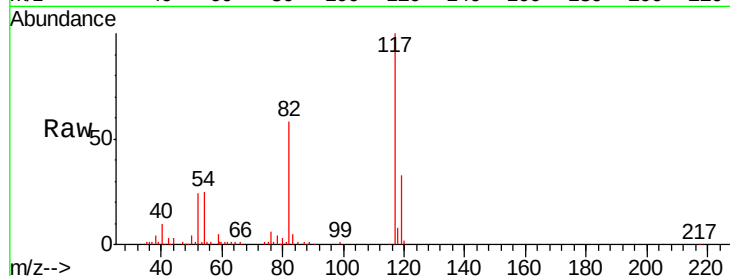




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

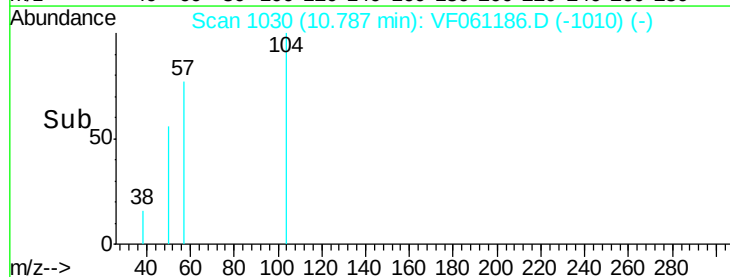
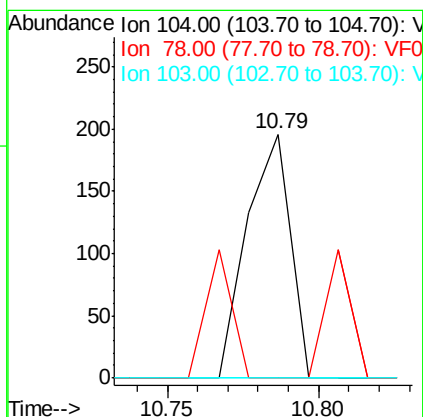
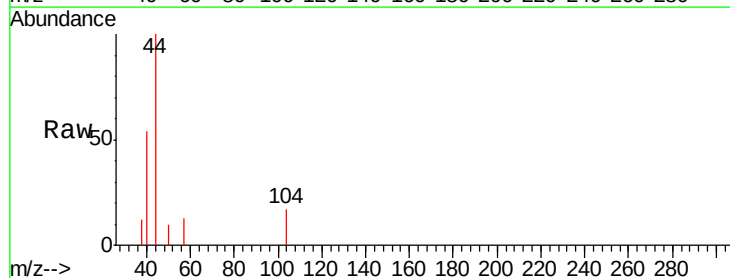
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-0006-01

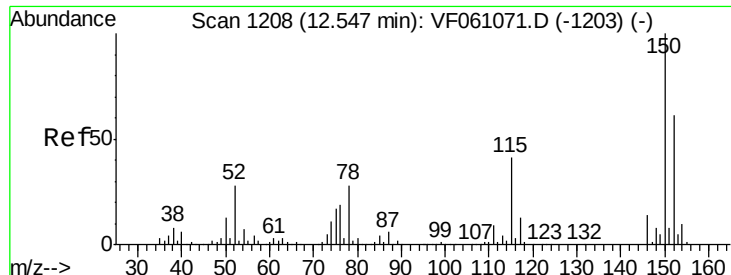
Tgt Ion:117 Resp: 107498
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 32.9 24.8 37.2



#70
Styrene
Concen: Below Cal
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061186.D
Acq: 26 Dec 2018 14:10

Tgt Ion:104 Resp: 195
Ion Ratio Lower Upper
104 100
78 0.0 38.4 57.6#
103 0.0 37.0 55.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061186.D

Acq: 26 Dec 2018 14:10

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-0006-01

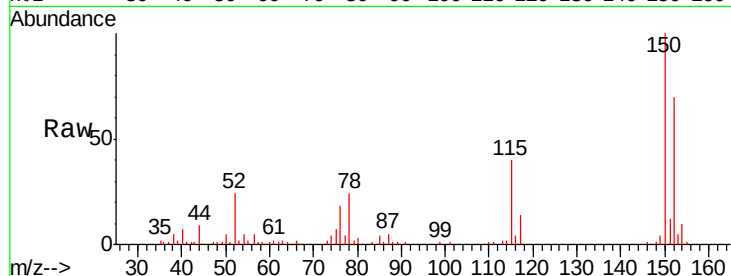
Tgt Ion:152 Resp: 25229

Ion Ratio Lower Upper

152 100

115 57.7 33.3 99.9

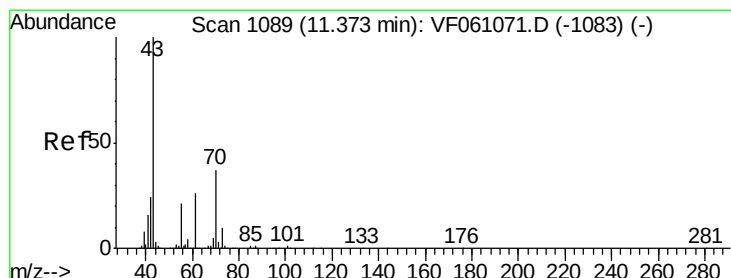
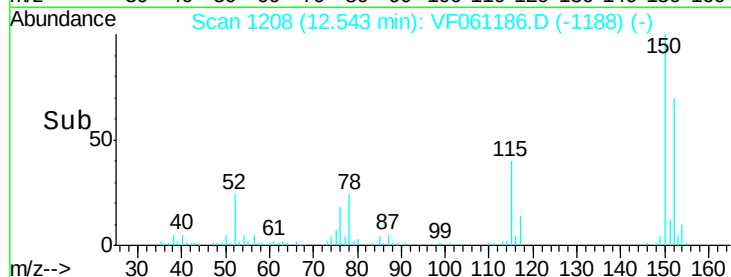
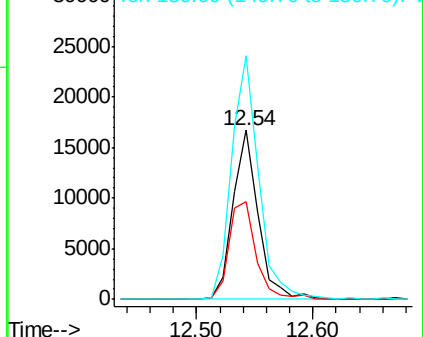
150 143.8 0.0 328.2



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



#74

N-ethyl acetate

Concen: 1.425 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061186.D

Acq: 26 Dec 2018 14:10

Tgt Ion: 43 Resp: 688

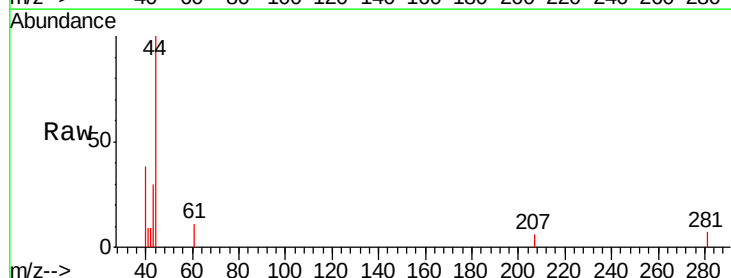
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 36.7 20.7 31.1#

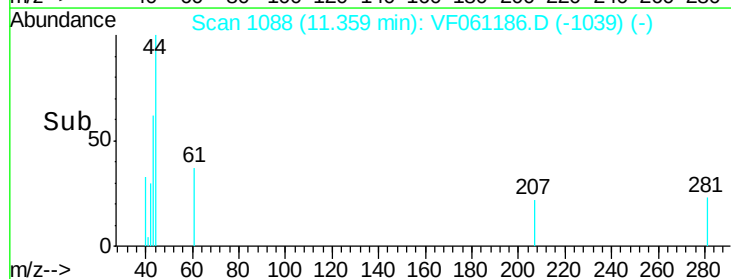
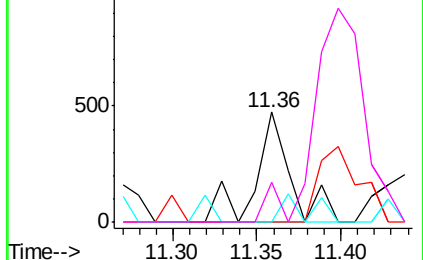


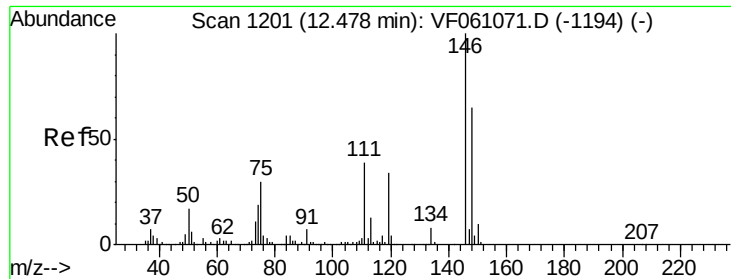
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

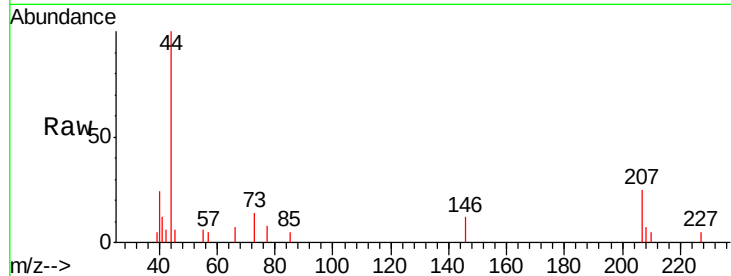




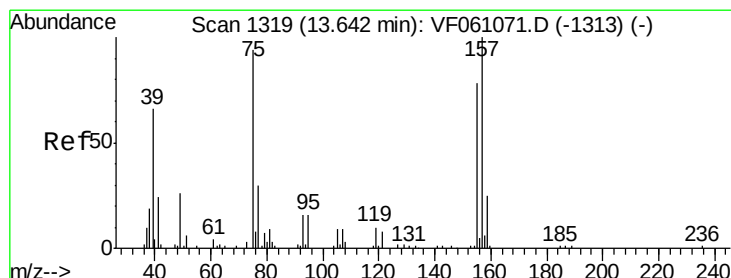
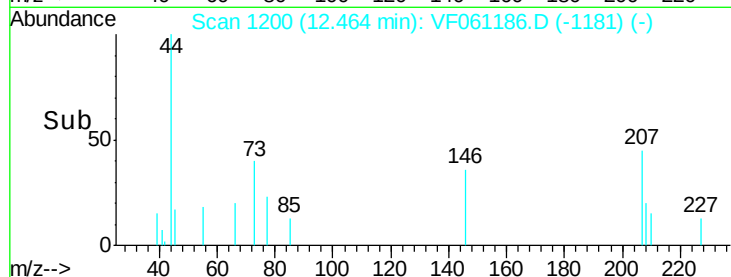
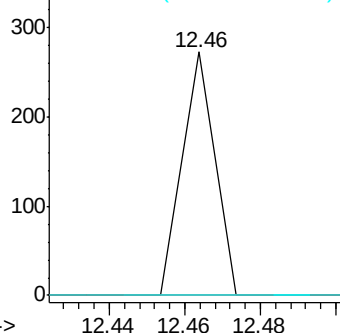
#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061186.D
 Acq: 26 Dec 2018 14:10

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-0006-01

Tgt Ion: 146 Resp: 162
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.3 57.9#
 148 0.0 32.4 97.2#

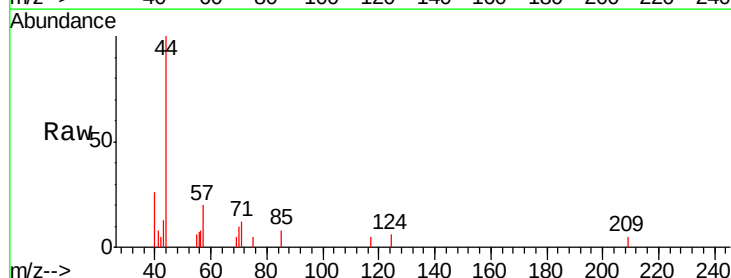


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

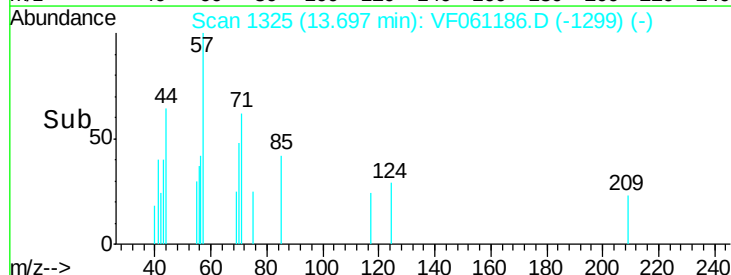
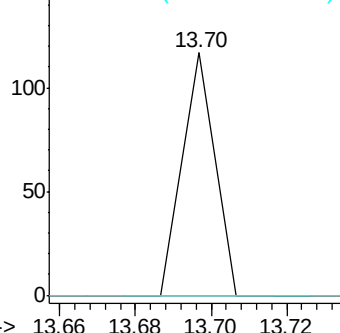


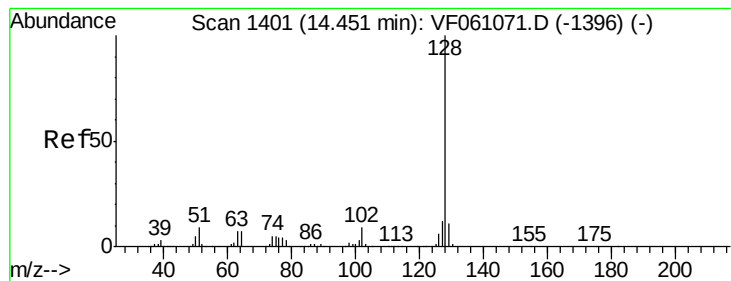
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.042 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. 0.05 min
 Lab File: VF061186.D
 Acq: 26 Dec 2018 14:10

Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.5#
 157 0.0 53.2 159.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 1.440 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061186.D

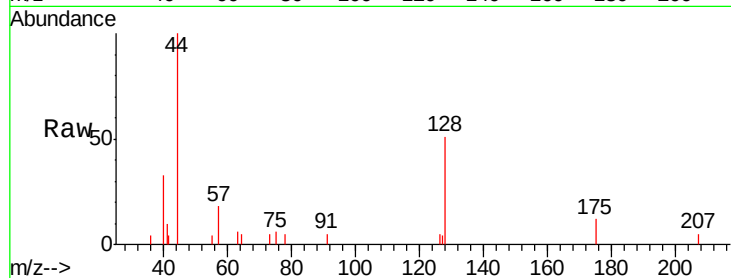
Acq: 26 Dec 2018 14:10

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-0006-01



Tgt Ion:	128	Resp:	1560
Ion	Ratio	Lower	Upper
128	100		
127	8.5	9.4	14.2#
129	0.0	8.8	13.2#

