

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
 Data File : VF061339.D
 Acq On : 10 Jan 2019 12:48
 Operator : VA/AP
 Sample : VF0110SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 11 00:29:26 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	213109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	329950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	328663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	182110	50.00	ug/l	0.00

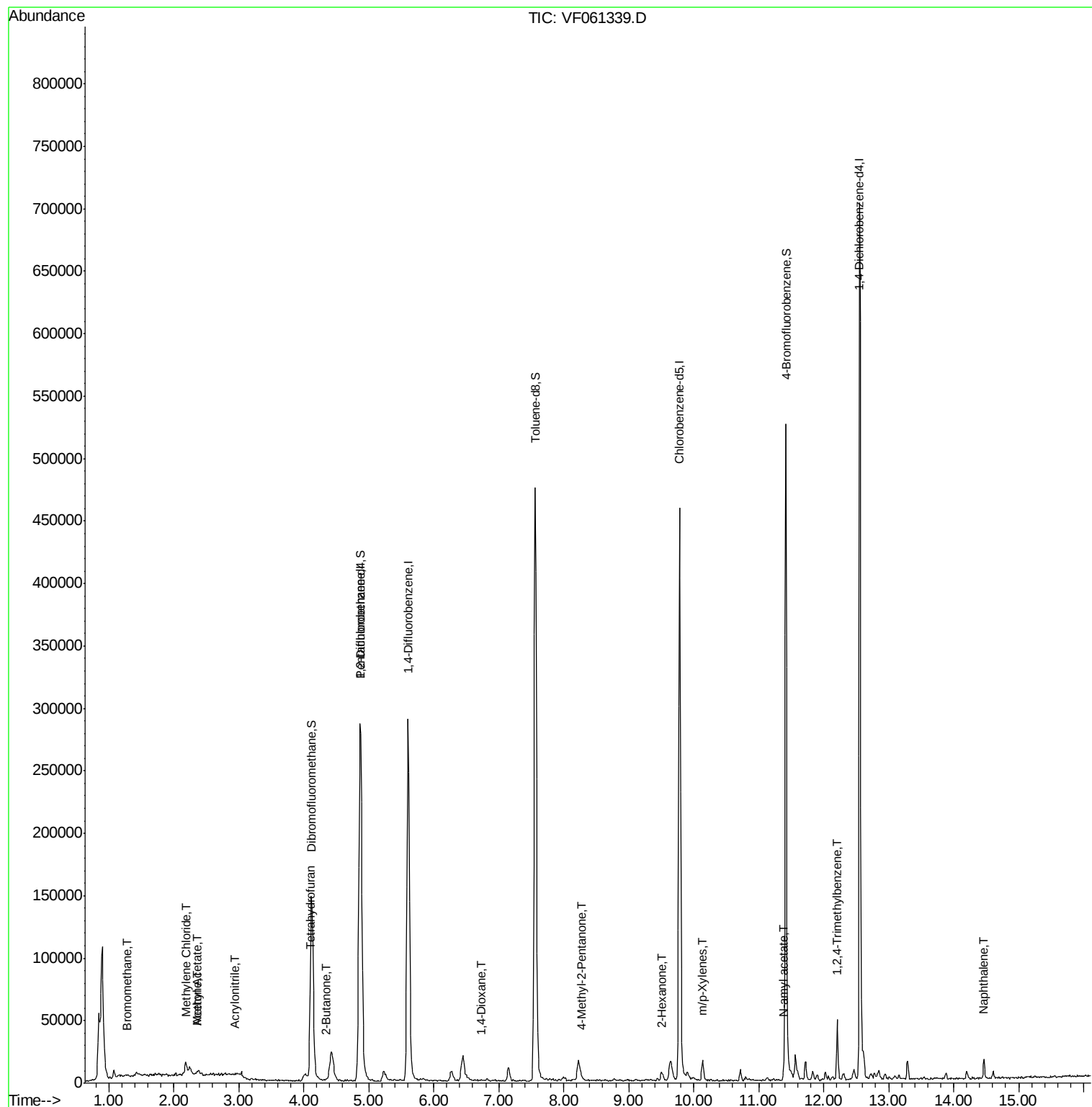
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	121969	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	4.12	113	147731	58.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.04%	
50) Toluene-d8	7.56	98	395566	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.42	95	200656	61.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.02%	

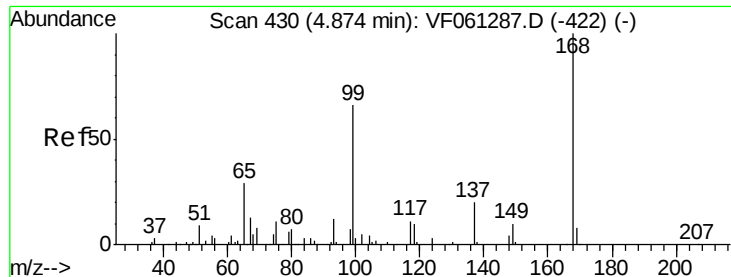
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.28	94	784	3.184	ug/l #	6
13) Acrolein	2.16	56	213	Below Cal		83
15) Acrylonitrile	2.94	53	797	2.367	ug/l #	79
16) Acetone	2.35	43	1188	2.153	ug/l	99
18) Methyl Acetate	2.35	43	1188	1.094	ug/l #	65
20) Methylene Chloride	2.18	84	3987	1.708	ug/l #	94
25) 2-Butanone	4.34	43	1117	1.258	ug/l #	56
29) Tetrahydrofuran	4.09	42	805	2.168	ug/l #	45
49) 1,4-Dioxane	6.74	88	70	9.226	ug/l #	20
51) 4-Methyl-2-Pentanone	8.28	43	3707	2.651	ug/l #	78
59) 2-Hexanone	9.50	43	5025	5.073	ug/l	68
68) m/p-Xylenes	10.14	106	5565	1.247	ug/l	81
74) N-ethyl acetate	11.38	43	4666	1.281	ug/l #	89
84) 1,2,4-Trimethylbenzene	12.21	105	26420	2.087	ug/l	94
95) Naphthalene	14.47	128	10019	1.300	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061339.D

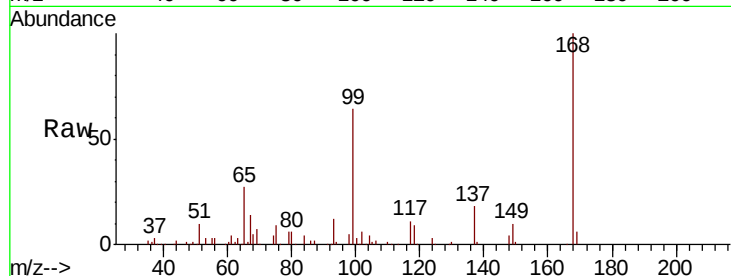
Acq: 10 Jan 2019 12:48

Tgt Ion: 168 Resp: 213109

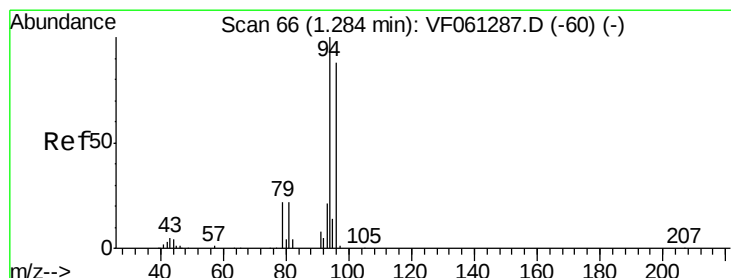
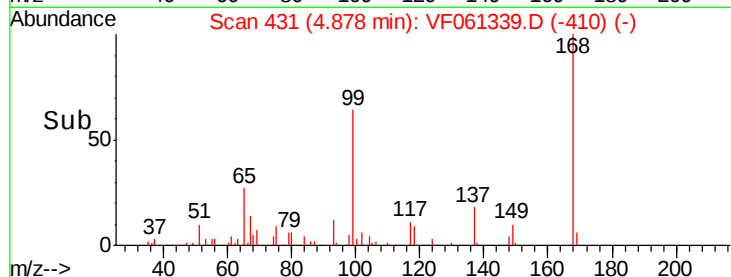
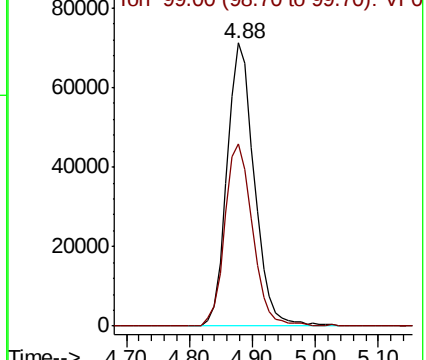
Ion Ratio Lower Upper

168 100

99 64.3 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0



#5

Bromomethane

Concen: 3.184 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF061339.D

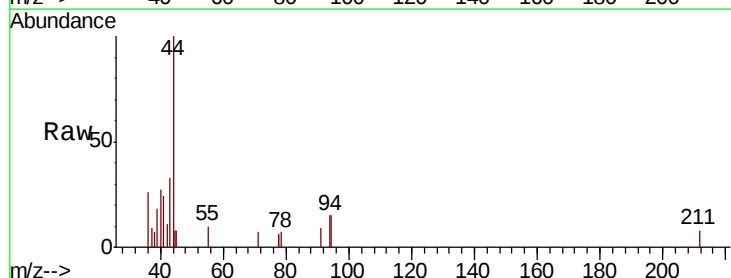
Acq: 10 Jan 2019 12:48

Tgt Ion: 94 Resp: 784

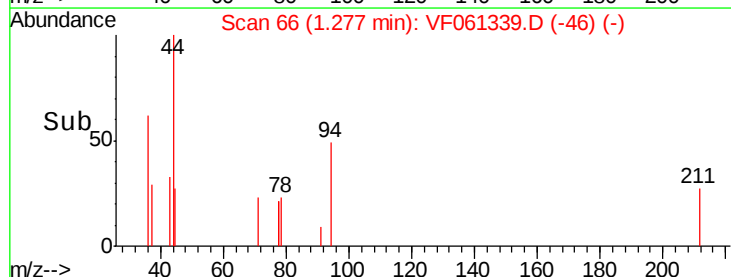
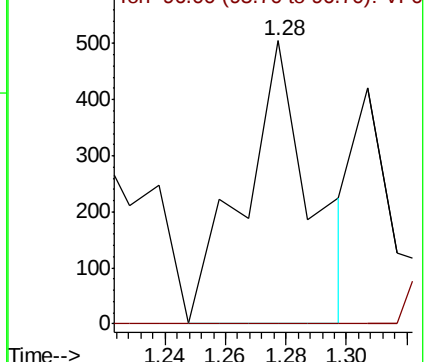
Ion Ratio Lower Upper

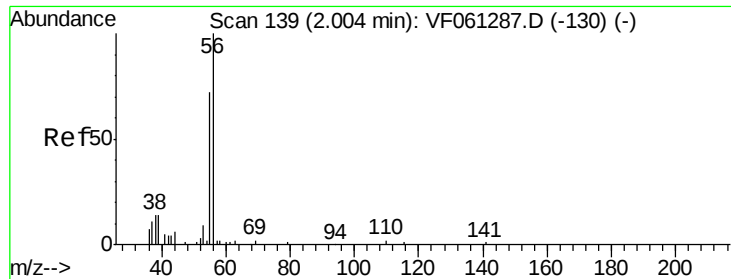
94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.16 min Scan# 155

Delta R.T. 0.15 min

Lab File: VF061339.D

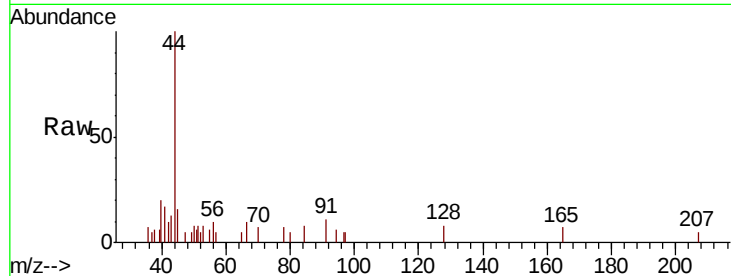
Acq: 10 Jan 2019 12:48

Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

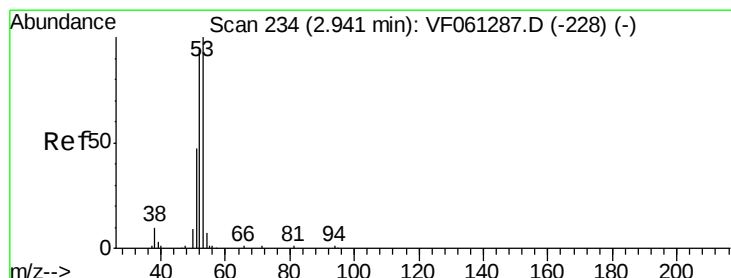
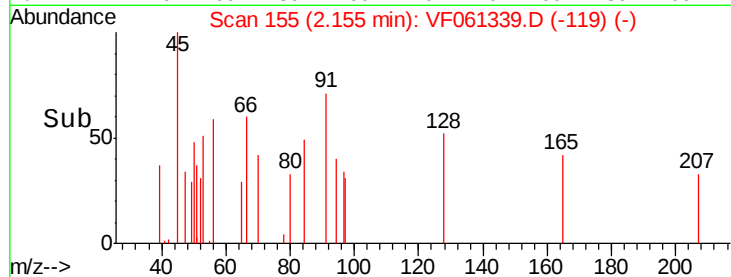
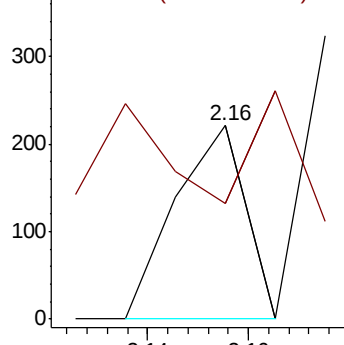
56 100

55 59.7 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 2.367 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

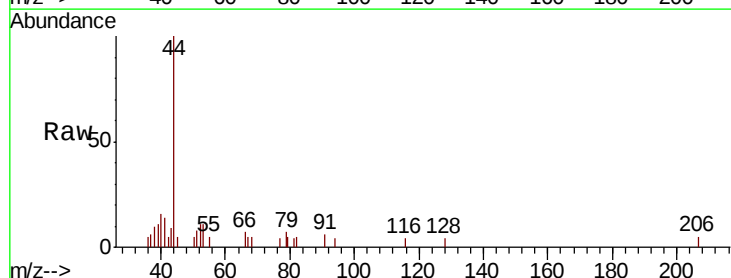
Tgt Ion: 53 Resp: 797

Ion Ratio Lower Upper

53 100

52 100.7 74.6 111.8

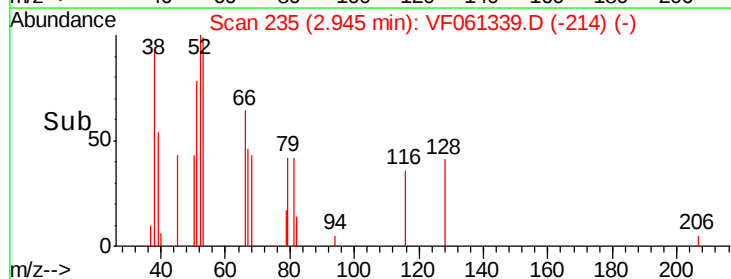
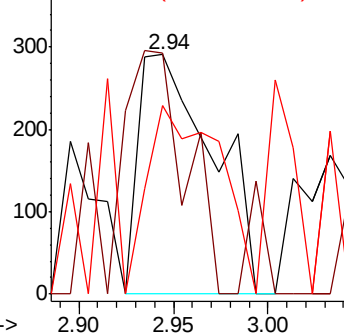
51 78.7 37.8 56.6#

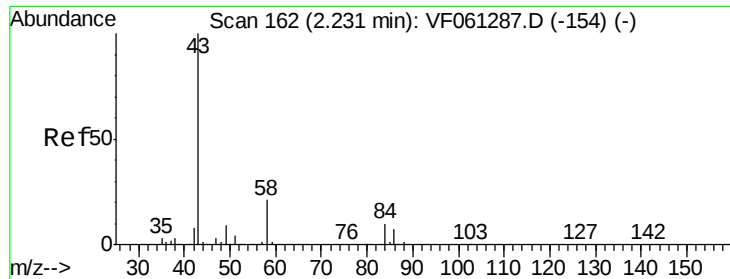


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 2.153 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.12 min

Lab File: VF061339.D

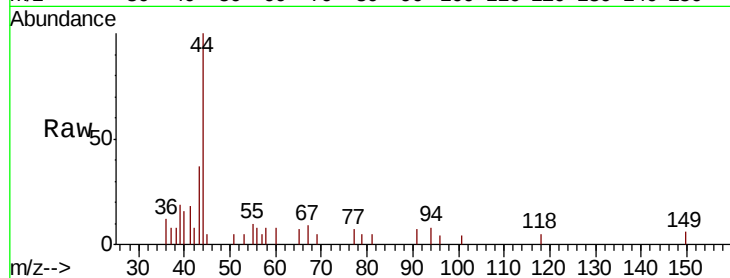
Acq: 10 Jan 2019 12:48

Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

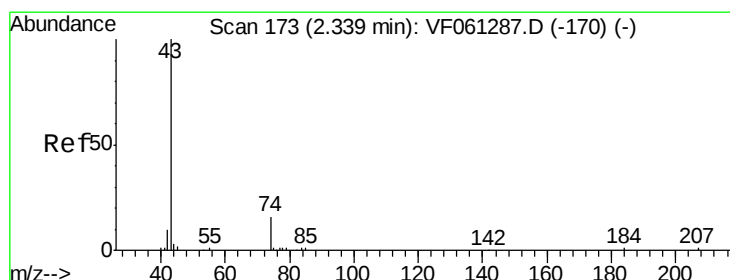
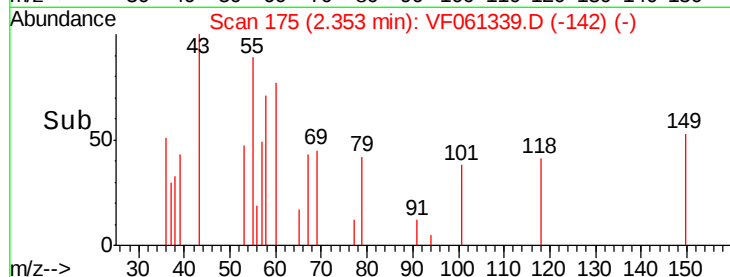
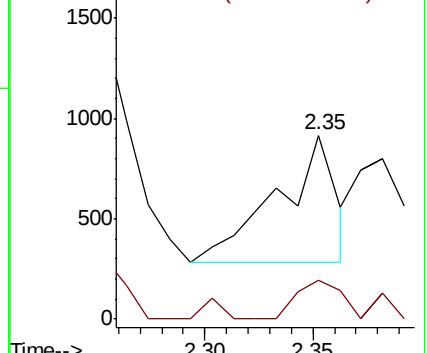
43 100

58 21.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.094 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061339.D

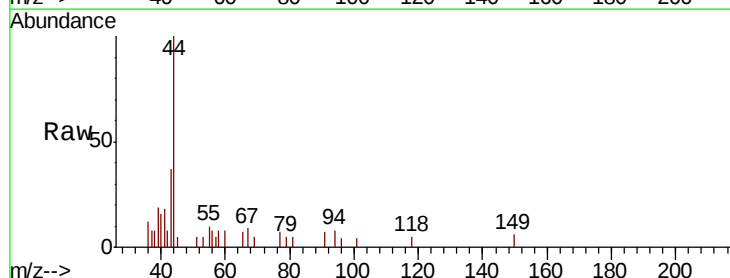
Acq: 10 Jan 2019 12:48

Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

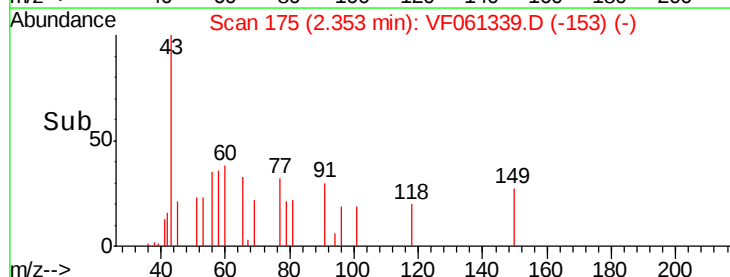
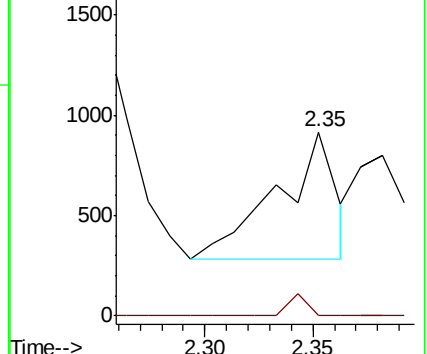
43 100

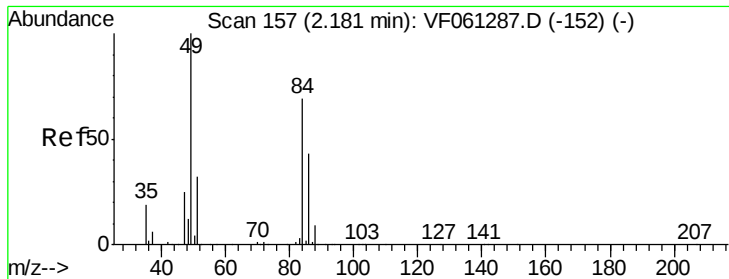
74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

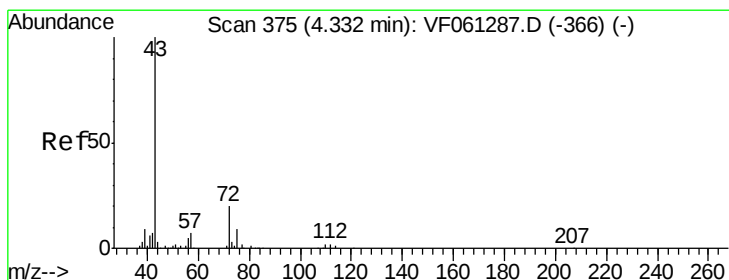
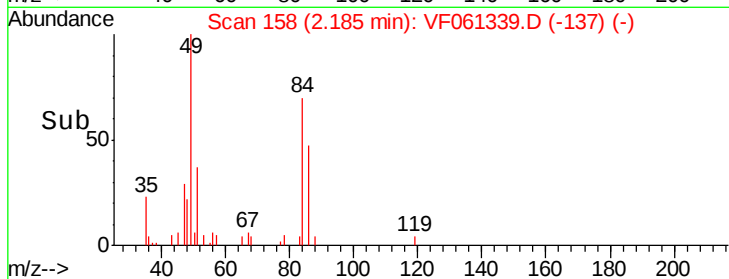
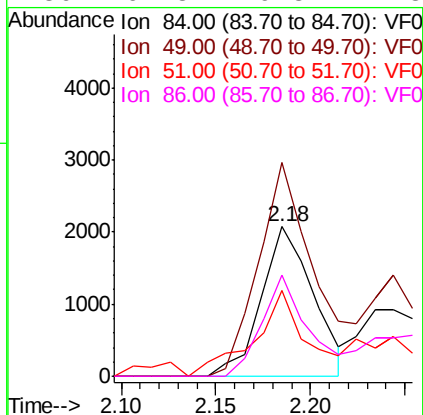
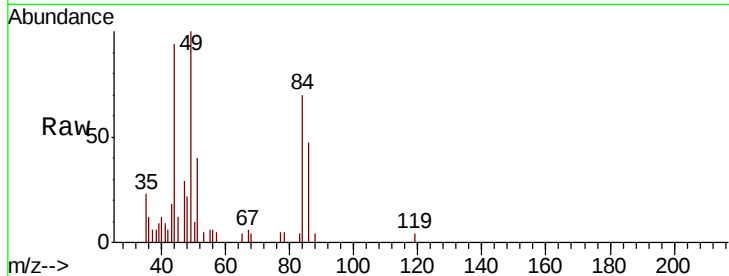
Ion 74.00 (73.70 to 74.70): VF0





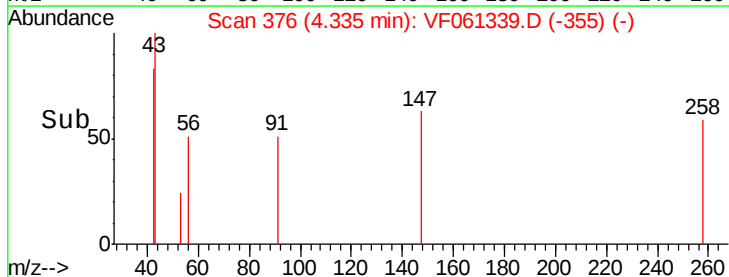
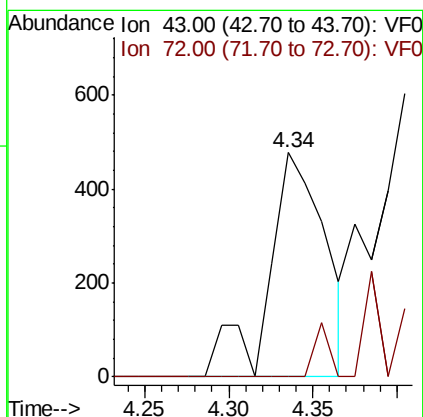
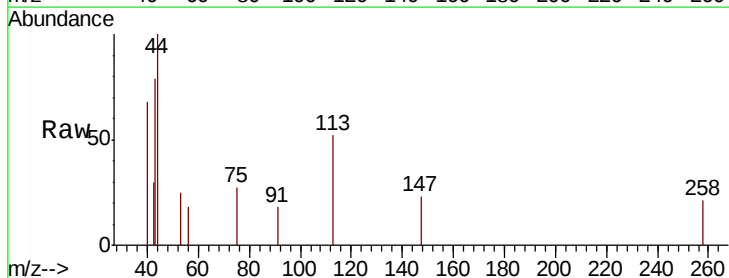
#20
Methylene Chloride
Concen: 1.708 ug/l
RT: 2.18 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

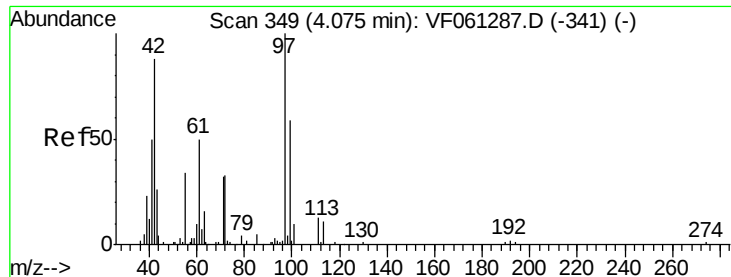
Tgt Ion:	84	Resp:	3987
Ion	Ratio	Lower	Upper
84	100		
49	142.9	116.6	175.0
51	57.4	37.7	56.5#
86	67.8	49.8	74.8



#25
2-Butanone
Concen: 1.258 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

Tgt Ion:	43	Resp:	1117
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#





#29

Tetrahydrofuran

Concen: 2.168 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

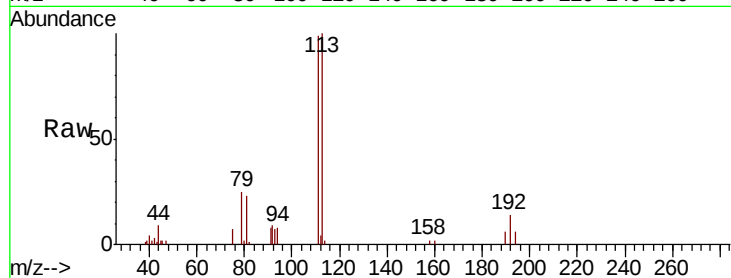
Tgt Ion: 42 Resp: 805

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

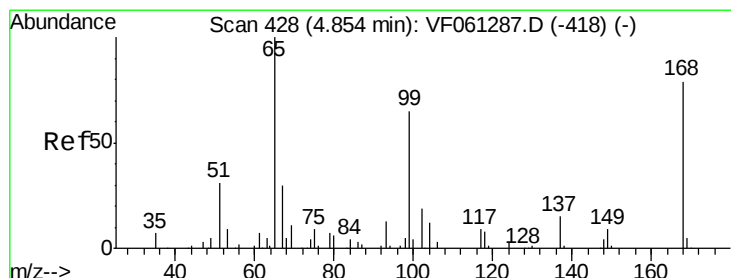
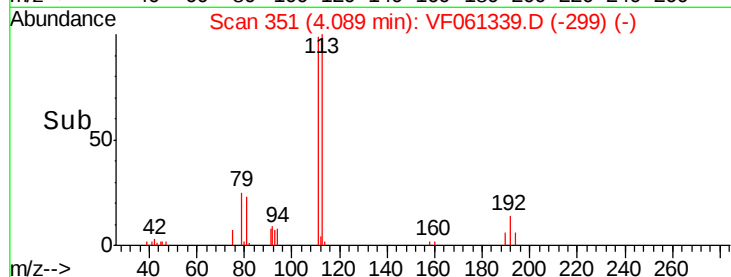
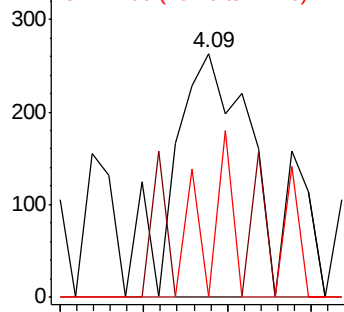
71 10.2 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 51.420 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061339.D

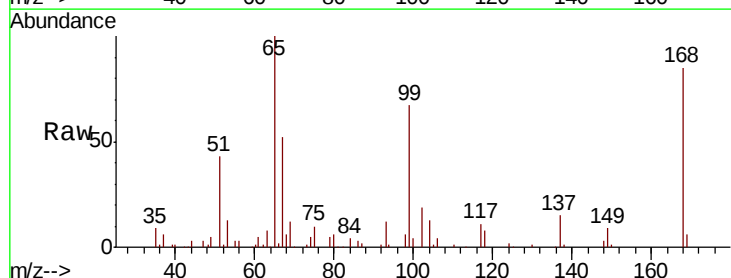
Acq: 10 Jan 2019 12:48

Tgt Ion: 65 Resp: 121969

Ion Ratio Lower Upper

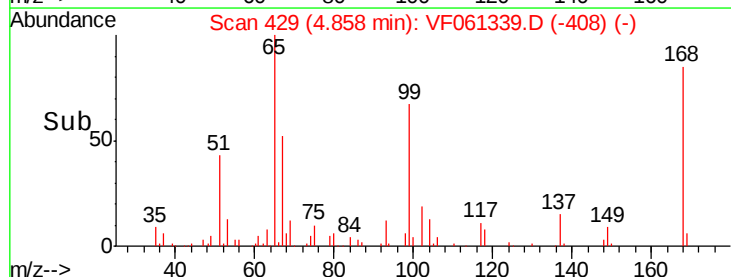
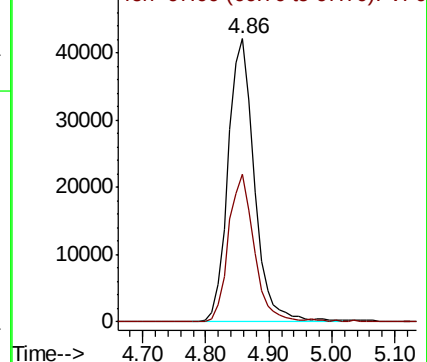
65 100

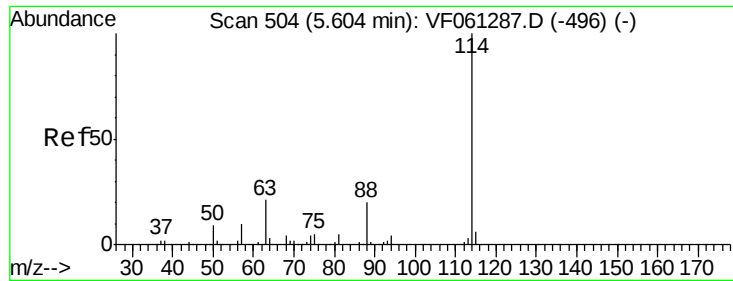
67 52.1 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

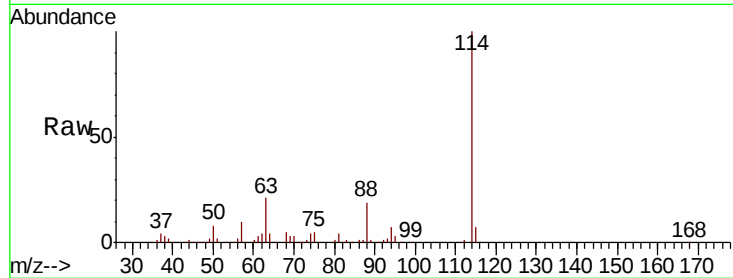
Ion 67.00 (66.70 to 67.70): VF0





#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061339.D
 Acq: 10 Jan 2019 12:48

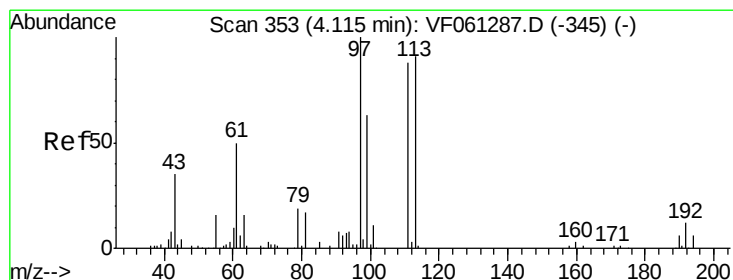
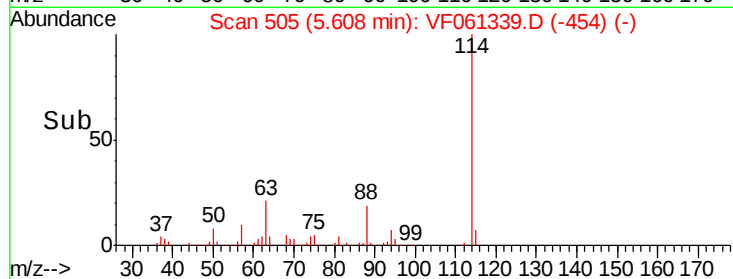
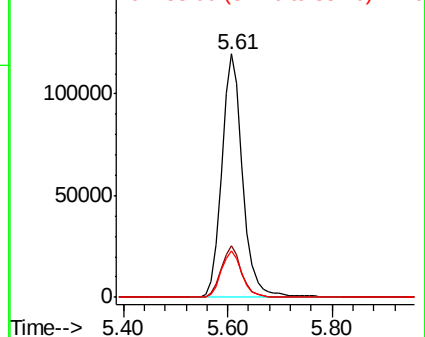
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.8
88	18.9	0.0	40.0



Abundance Ion 114.00 (113.70 to 114.70): V

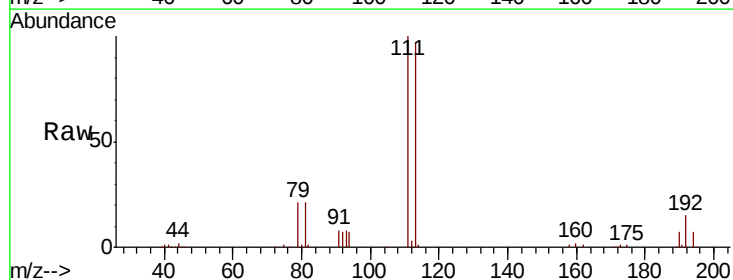
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 58.515 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061339.D
 Acq: 10 Jan 2019 12:48

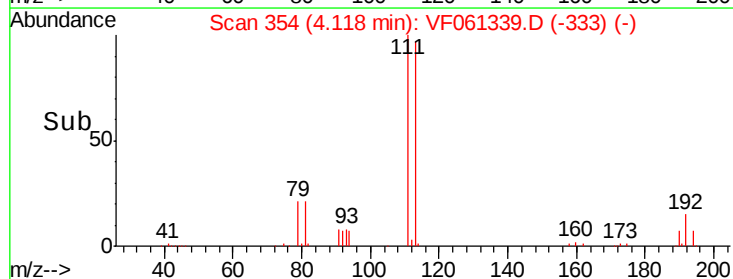
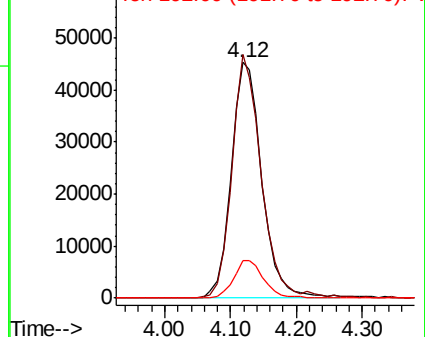
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	78.0	117.0
192	15.7	10.6	16.0

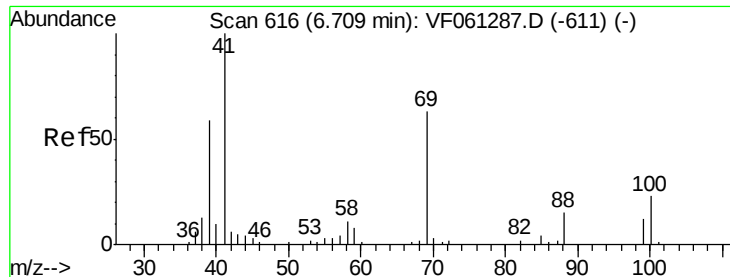


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

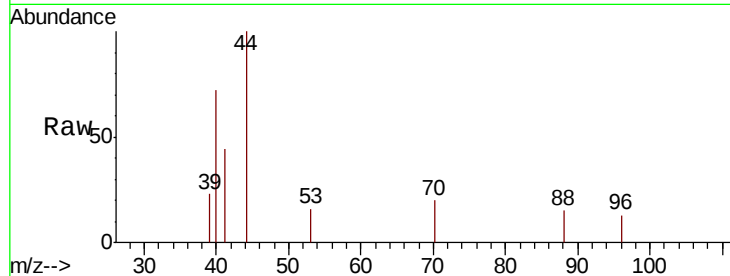
Ion 192.00 (191.70 to 192.70): V



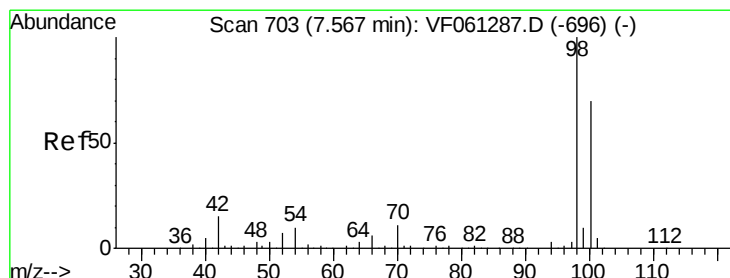
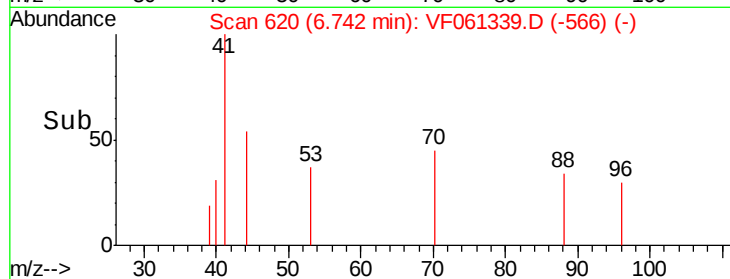
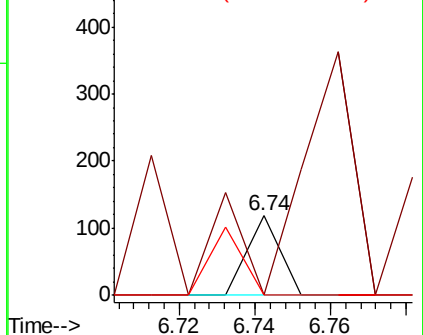


#49
1,4-Dioxane
Concen: 9.226 ug/l
RT: 6.74 min Scan# 620
Delta R.T. 0.03 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 38.5 57.7#
58 0.0 57.0 85.4#

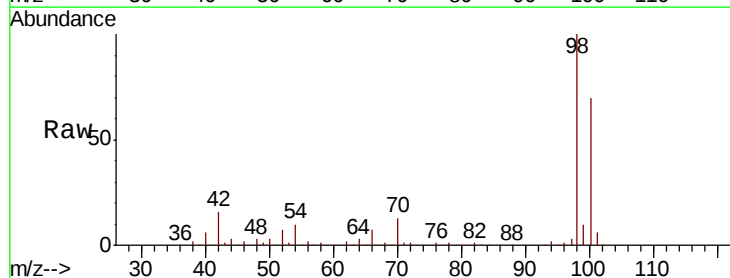


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

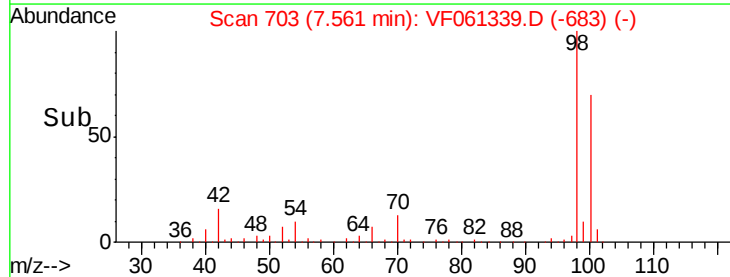
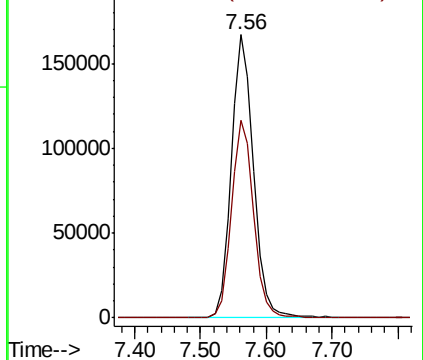


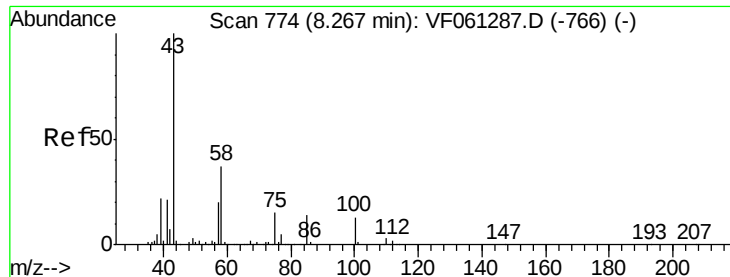
#50
Toluene-d8
Concen: 52.946 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

Tgt Ion: 98 Resp: 395566
Ion Ratio Lower Upper
98 100
100 69.9 55.6 83.4



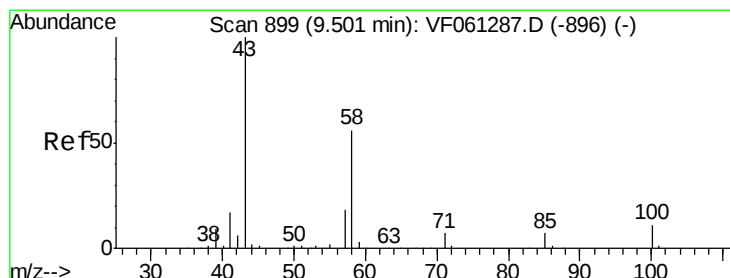
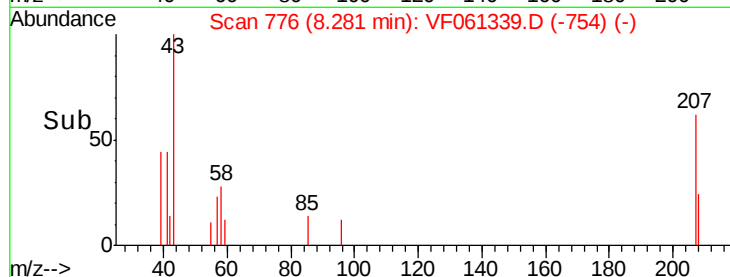
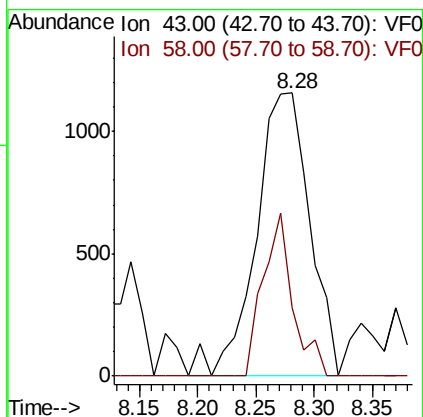
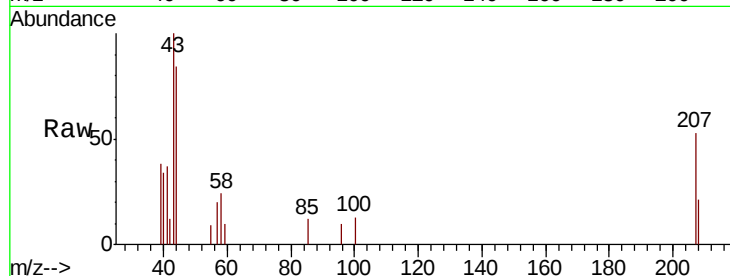
Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





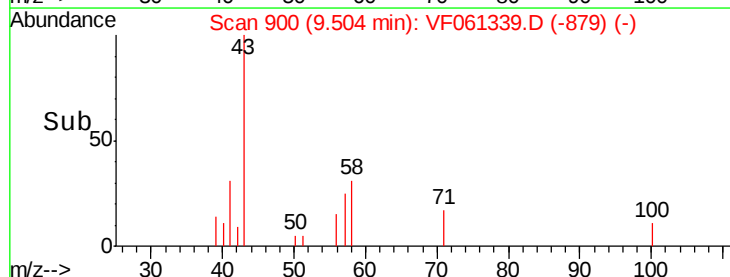
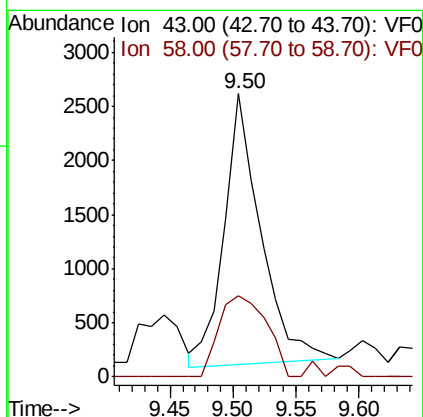
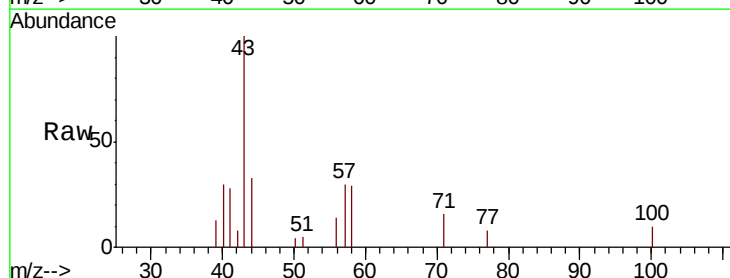
#51
 4-Methyl-2-Pentanone
 Concen: 2.651 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VF061339.D
 Acq: 10 Jan 2019 12:48

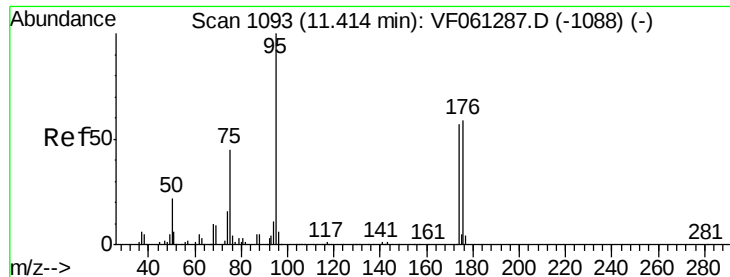
Tgt Ion: 43 Resp: 3707
 Ion Ratio Lower Upper
 43 100
 58 24.1 29.6 44.4#



#59
 2-Hexanone
 Concen: 5.073 ug/l
 RT: 9.50 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VF061339.D
 Acq: 10 Jan 2019 12:48

Tgt Ion: 43 Resp: 5025
 Ion Ratio Lower Upper
 43 100
 58 28.7 25.6 76.8





#62

4-Bromofluorobenzene

Concen: 61.507 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

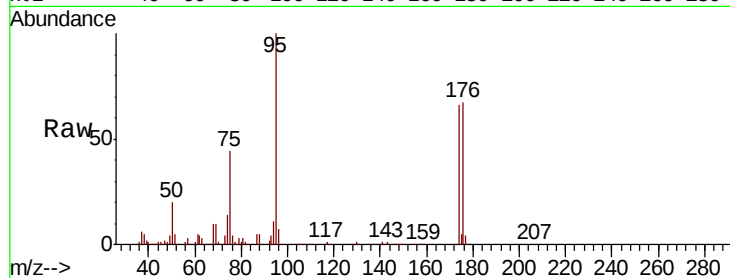
Tgt Ion: 95 Resp: 200656

Ion Ratio Lower Upper

95 100

174 66.4 0.0 114.2

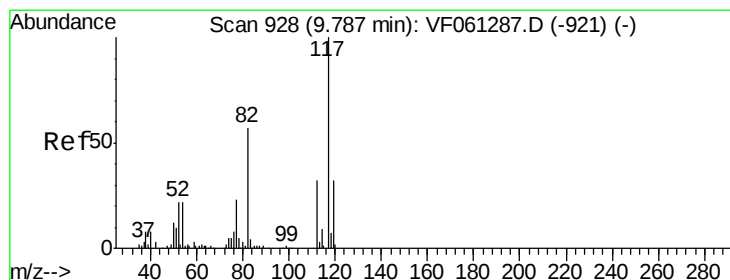
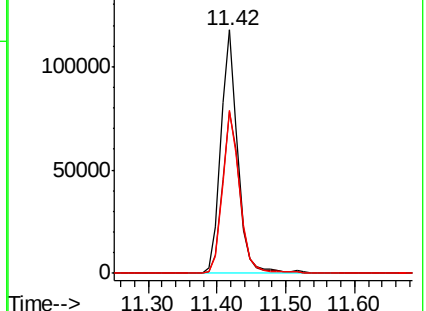
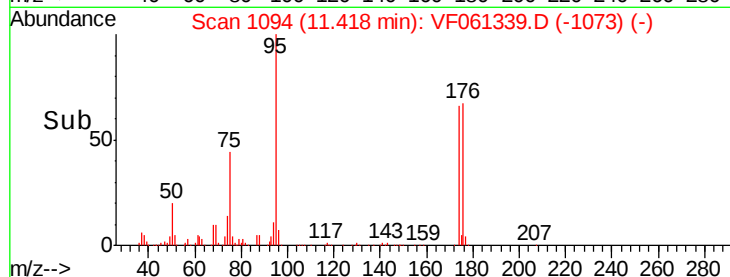
176 67.0 0.0 117.8



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: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

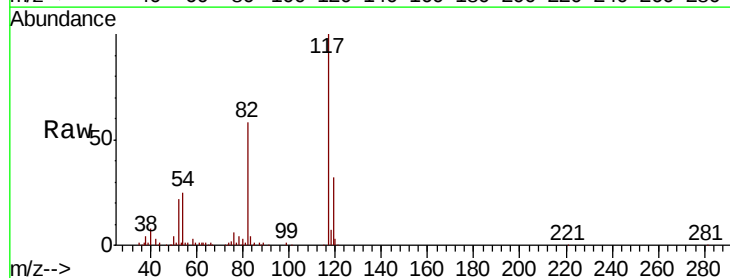
Tgt Ion: 117 Resp: 328663

Ion Ratio Lower Upper

117 100

82 58.4 45.3 67.9

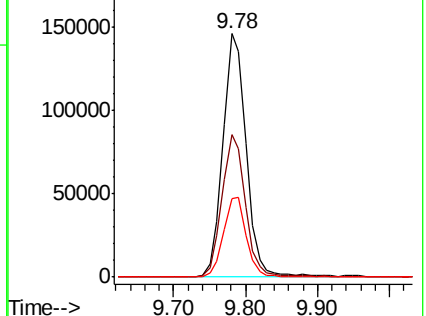
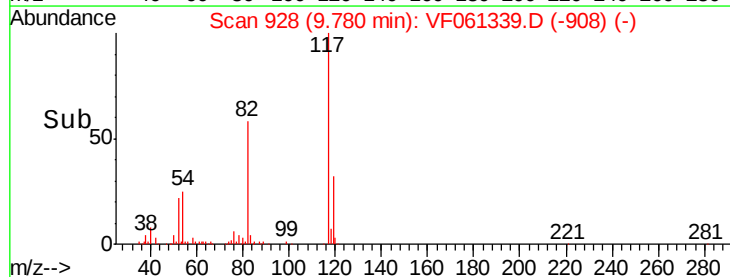
119 32.3 25.4 38.0

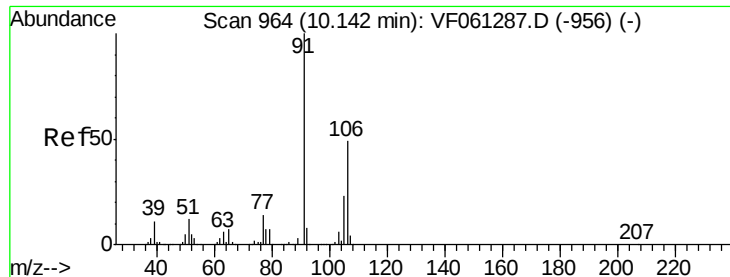


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

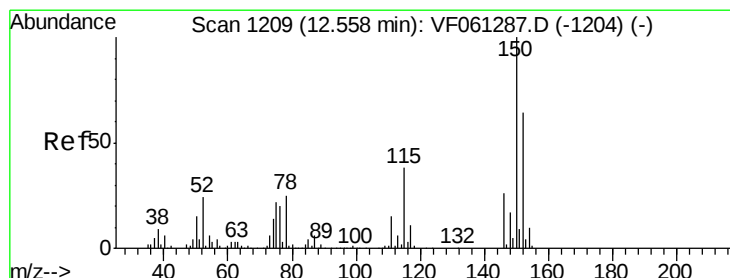
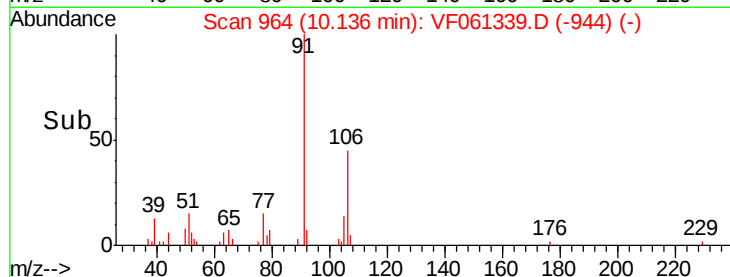
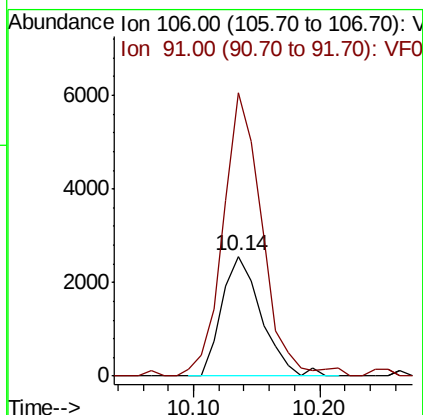
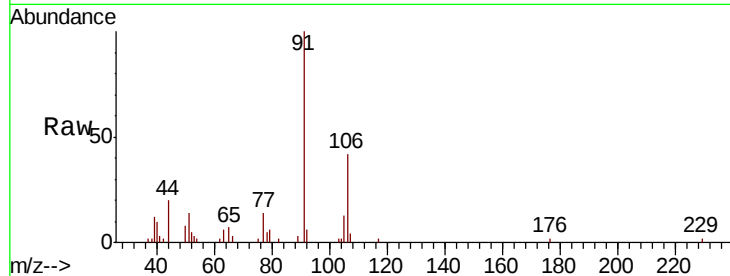
Ion 119.00 (118.70 to 119.70): V





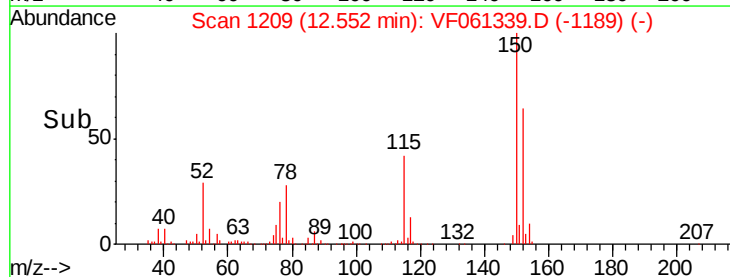
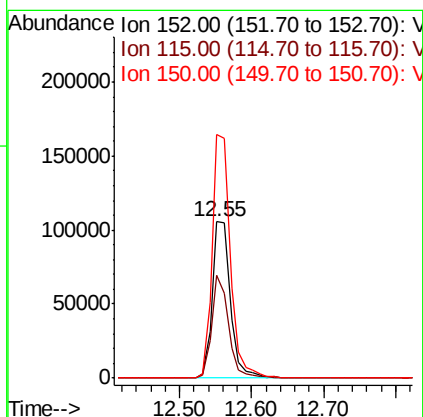
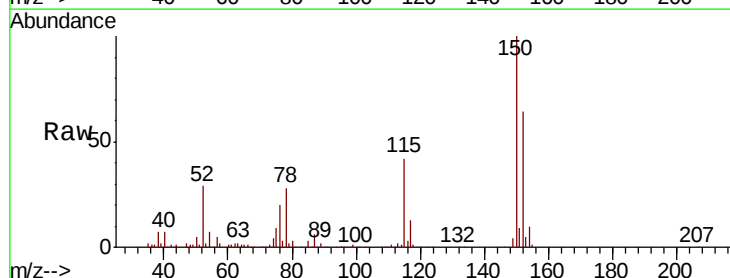
#68
m/p-Xylenes
Concen: 1.247 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

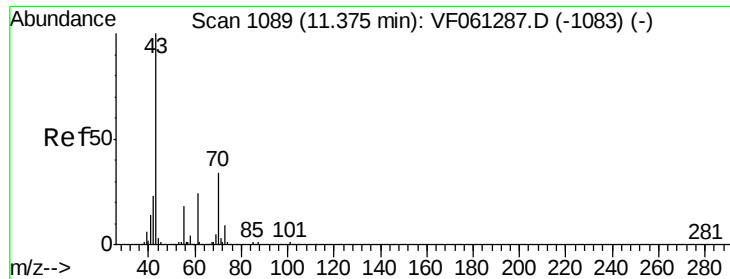
Tgt Ion:106 Resp: 5565
Ion Ratio Lower Upper
106 100
91 236.1 165.0 247.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

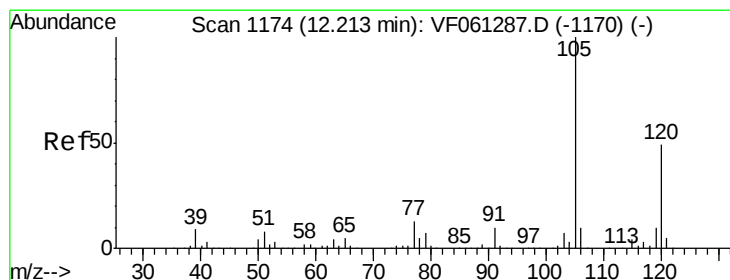
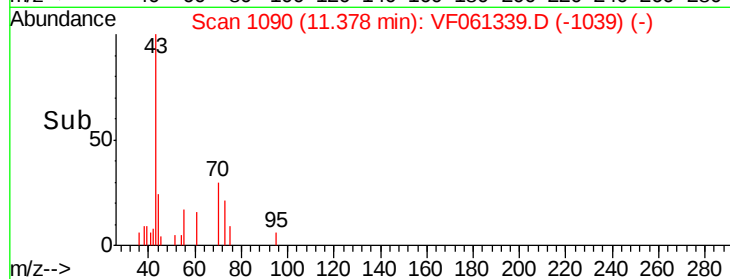
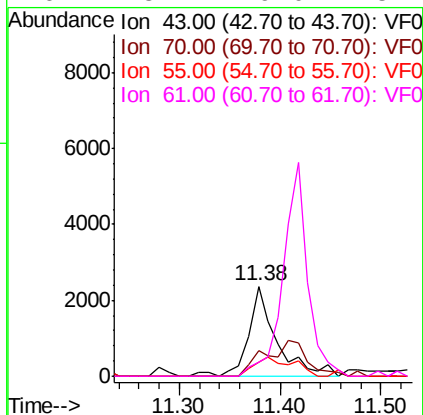
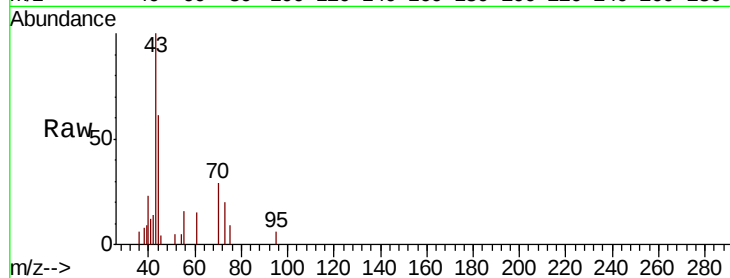
Tgt Ion:152 Resp: 182110
Ion Ratio Lower Upper
152 100
115 65.5 29.6 88.9
150 155.9 0.0 315.4





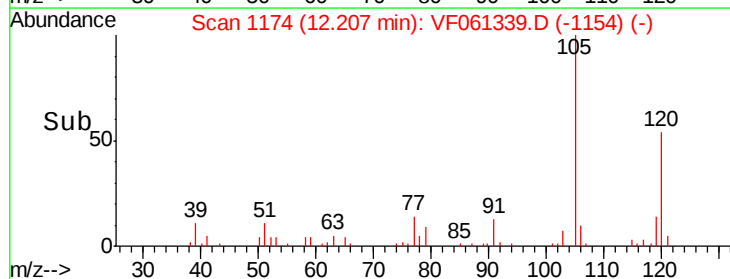
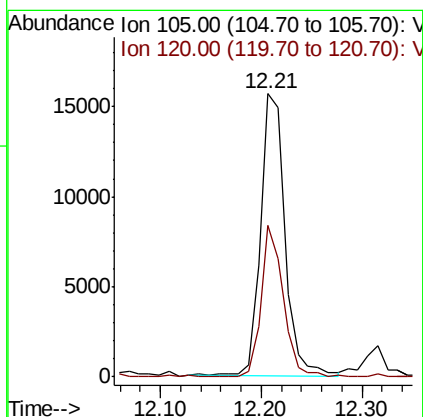
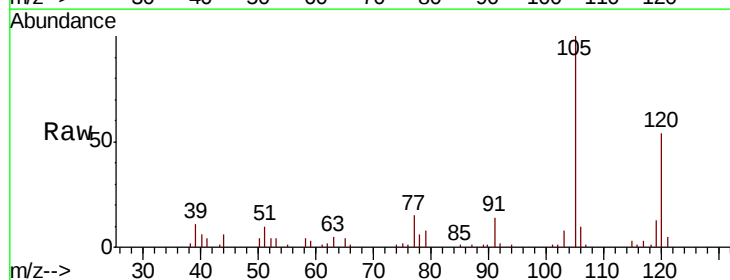
#74
N-amyI acetate
Concen: 1.281 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

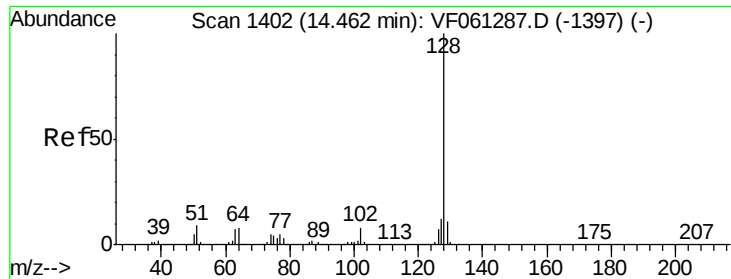
Tgt Ion: 43 Resp: 4666
Ion Ratio Lower Upper
43 100
70 28.9 27.4 41.0
55 15.9 14.7 22.1
61 15.1 19.0 28.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.087 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

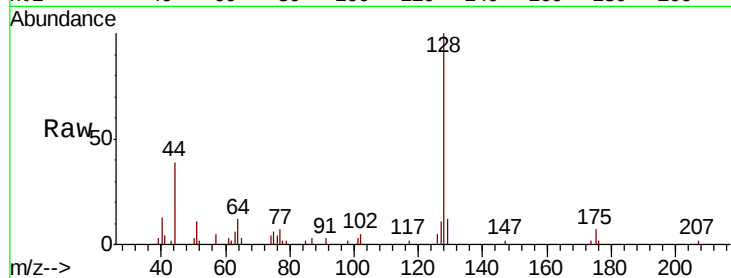
Tgt Ion:105 Resp: 26420
Ion Ratio Lower Upper
105 100
120 53.6 24.7 74.1





#95
Naphthalene
Concen: 1.300 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.4	14.0
129	12.1	8.8	13.2



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

